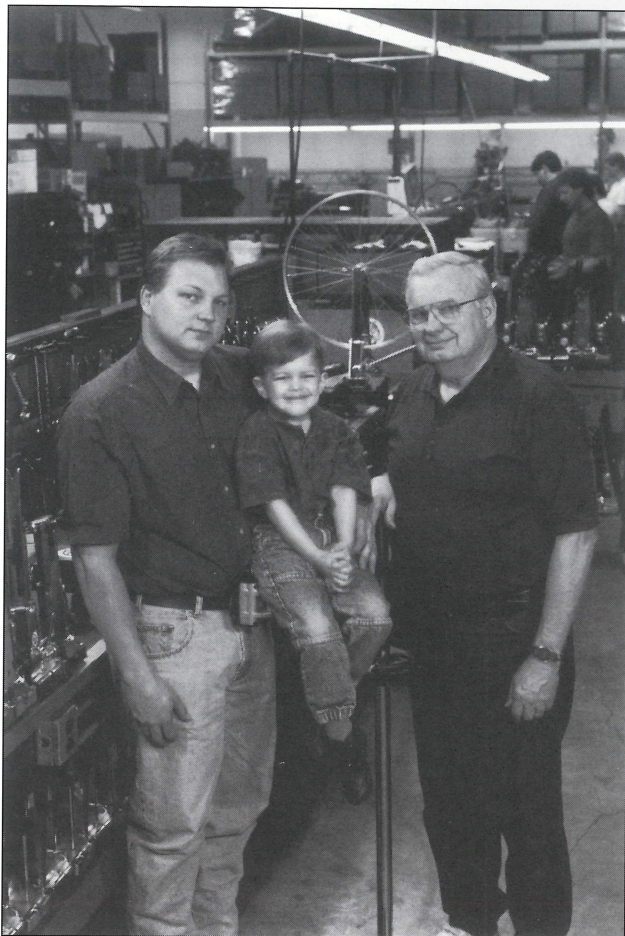




**PARK TOOL
FULL LINE CATALOG 1994**





2 1/2 generations of tool makers

Presenting Our Products

Perspective is an important quality in any business. Our perspective comes from more than 35 years of experience in the bicycle industry beginning with retail stores. There we learned first hand the changing needs of quality bicycle repair and maintenance.

Our first Park Tool product in 1963 was a repair stand, Model PRS-1, so unique and useful that we were granted a U.S. Patent. Now we hold several patents on our tool line which exceeds more than 150 products ranging from small wrenches to professional repair stands.

But we are not standing idle. Park Tool Company continues to develop and refine bicycle repair tools and equipment to improve the service and efficiency of all bicycle mechanics, professional or hobbyist. For convenience, many are packaged on display cards with the display rack shown above.

PDR-1 Display Rack



We look forward to the future and will continue to be an active part in the improvement and advancement of the sport of bicycling.

Respectfully Yours,

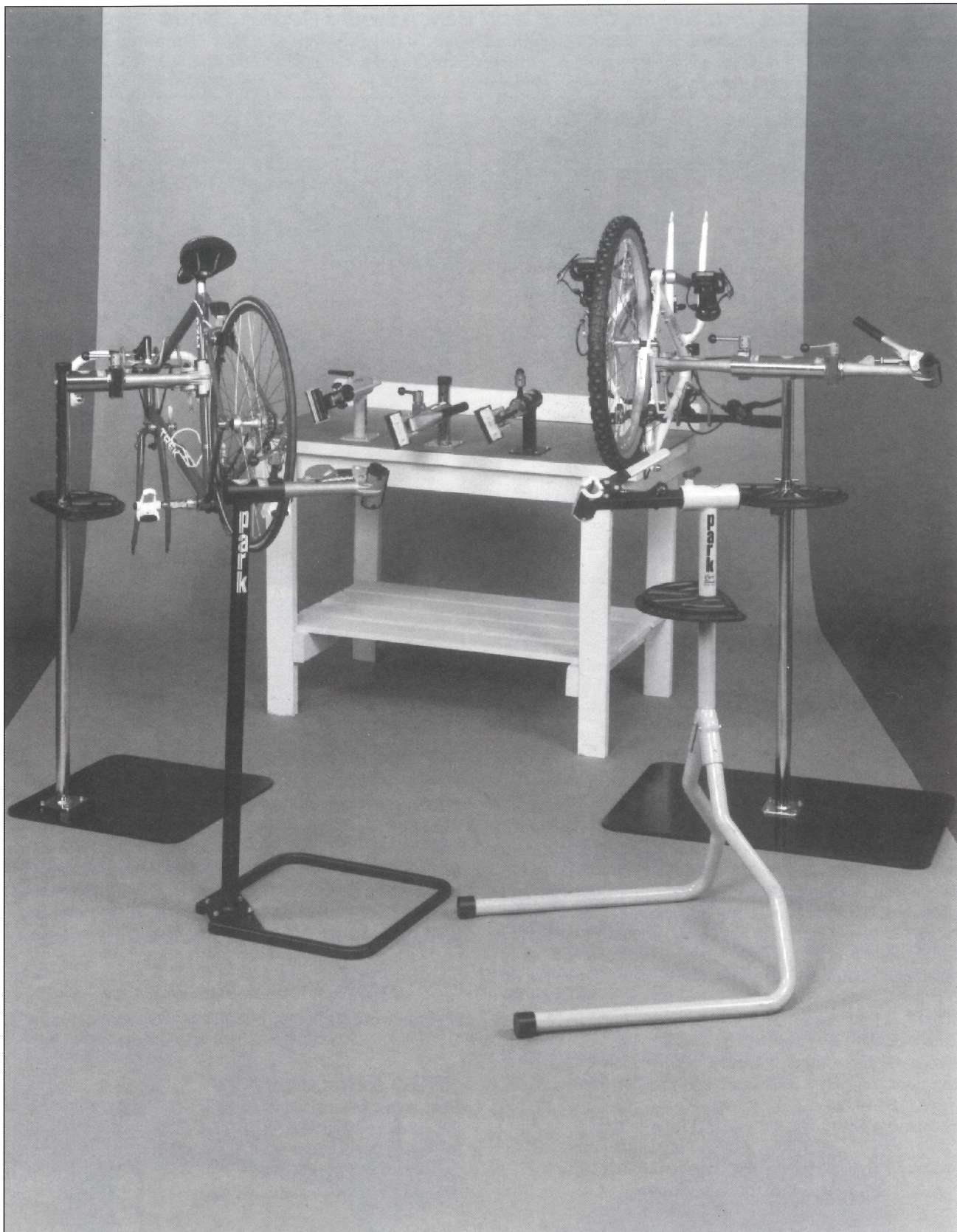
Howard C. Hawkins

Eric H. Hawkins

The rest of the story...

We believe firmly in the possibility of a man linking his life to God. We believe this to be the only truly good life. The Creator of life is within the grasp of every man if we will simply and honestly endeavor to meet God's condition through his Son, Jesus Christ. This we believe to be the best news in life. Jesus Christ said "I am the way, the truth, and the life. No one can come to God unless he first trusts in me."

Gospel of John 14:6



An Introduction to Park Tool Repair Stands

We believe a repair stand (also called a work stand) is the most important tool in any shop, whether in a cyclery or in a home. Our first product, over 30 years ago, was a repair stand and we now offer eight models to fit any need and budget.

Any repair job, from simple flat tire repairs to tune ups to major overhauls, becomes much easier with a repair stand. All Park Tool Repair Stands hold a bicycle securely and firmly at any position, and allow easy access to any part by turning over, or inverting, the bicycle. Most repair jobs are made much easier by clamping onto the seat tube and placing the bicycle in the inverted position. Many stands simply do not allow a bicycle to be inverted. ALL PARK TOOL REPAIR STANDS DO!

Park Tool Repair Stands feature the famous Park Tool Clamp, unique enough to be granted a U.S. Patent.

DELUXE Single, Double, and Bench Mount Repair Stands

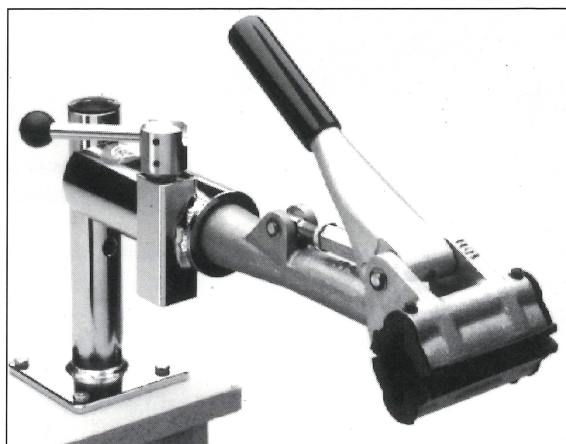
Used in the finest repair shops worldwide, Park Tool Repair Stands are the standard of the industry. Highly recommended for the rugged, continuous use given in most bicycle shops. After 30 years, still the best repair stands available, with unsurpassed quality and versatility.



Deluxe Double Arm Repair Stand PRS-2

The Deluxe Double Arm Repair Stand is designed for the professional mechanic and features infinite adjustments of the clamps, both in clamping pressure and in rotating positions. The clamp height is adjustable from 38" to 52" allowing perfect placement for maximum comfort and efficiency. The clamps rotate 360 degrees, allowing the bicycle to be positioned at any angle, and can be adjusted for virtually any size frame tubing. Because the stand itself also rotates 360 degrees, one bicycle can be swung out of the way, allowing the other clamp to be used for "rush" repair jobs. The entire framework is heavily chrome-plated and the steel base is painted. The stand is also available without the base. For mounting directly to the floor, use Part #FP-2, Floor Mounting Plate. Work Tray #104 included.

Shipping weight: 160 lbs. (72.58 kg.) with base
40 lbs. (18.14 kg.) without base



Deluxe Bench Mount Repair Stand PRS-4

The Deluxe Bench Mount Stand uses the same clamp as the PRS-2 and PRS-3. The clamp can be adjusted to two different working heights and rotates 360 degrees, allowing the bike to be positioned at any angle. Mounts easily to any flat surface. (Bolts not included).
Shipping weight: 12 lbs. (5.44 kg.)



Deluxe Single Arm Repair Stand PRS-3

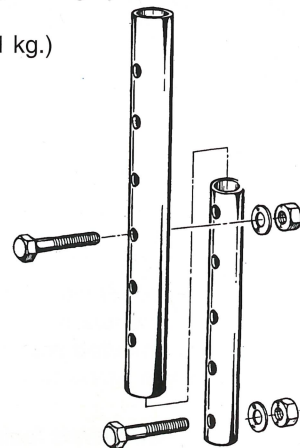
This stand is one-half of the Deluxe Double Arm Repair Stand (PRS-2), and incorporates most of the same features in a stand suitable for smaller areas. The clamp rotates 360 degrees and is adjustable for virtually any size frame tubing up to 1 3/8". Clamp height is adjustable from 37" to 47". The solid steel base weighs 68 lbs., creating a very stable stand. The PRS-3 is heavily chrome-plated and is also available without the base. For mounting directly to the floor, use Part #FP-2, Floor Mounting Plate. Work Tray #104 included.

Shipping weight: 90 lbs. (40.82 kg.) with base
23 lbs. (10.43 kg.) without base

PRS-3 Extension #178

Use of this extension kit adds an additional 12 inches to the working height of the PRS-3 Repair Stand. Double sleeve system retains strength integrity without sacrificing adjustability.

Shipping weight: 4 lbs. (1.81 kg.)

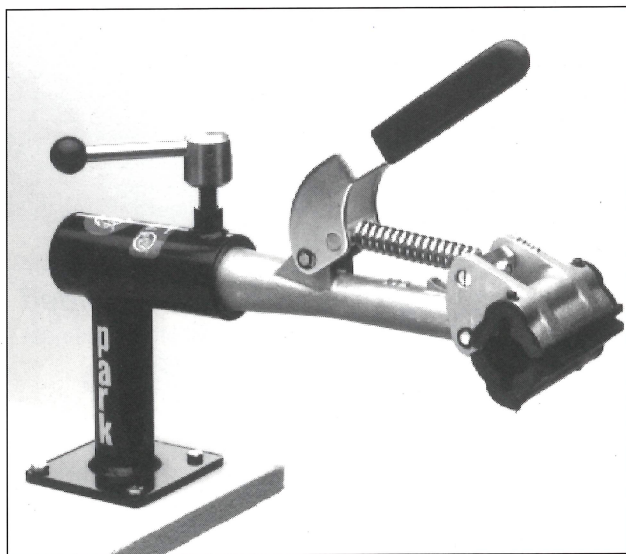




Floor Model Repair Stand PRS-6

Features our automatically adjusting spring clamp with 360 degree rotation for easy use on any tube size from 1" to 1 3/8". Stable self-standing base is constructed of heavy gauge tubular steel, powder-coated for durability. Clamp height is 40". This stand can be directly mounted to the floor by using Part #FP-2, Floor Mounting Plate.

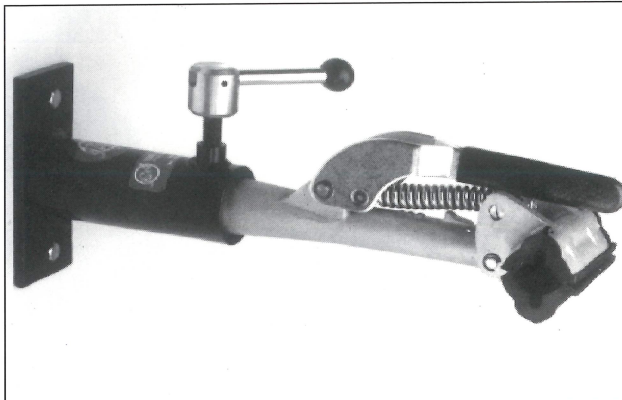
Shipping weight: 28 lbs. (12.7 kg.) with base
16 lbs. (7.26 kg.) without base



Bench Mount Repair Stand PRS-7

Easily mounted on any workbench. Uses the same clamp and locking system as the PRS-6. Mounting flange has four holes, allowing use of bolts or lag bolts to mount. Durable powder-coated finish. (Bolts not included).

Shipping weight: 10 lbs. (4.54 kg.)



Wall Mount Repair Stand PRS-8

Designed to be easily mounted to any post or wall stud. Uses the same clamp and locking system as the PRS-6. Durable powder-coated finish. (Bolts not included).

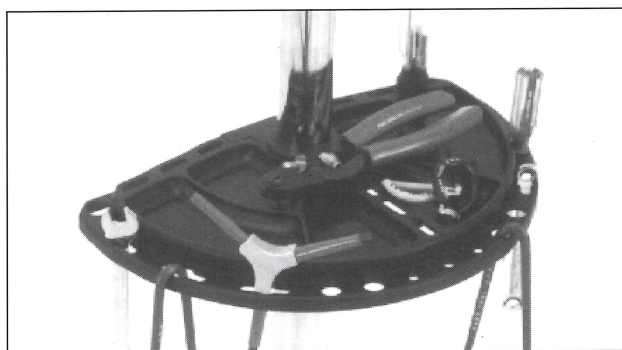
Shipping weight: 10 lbs. (4.54 kg.)



Home Mechanic Bench Mount Repair Stand PCS-2

This is the bench mount version of our popular Home Mechanic Repair Stand (PCS-1). It incorporates the same adjustable clamp and will rotate the bicycle 360 degrees, holding it steady at any angle. Durable powder coating. Mounts to any flat surface. (Bolts not included).

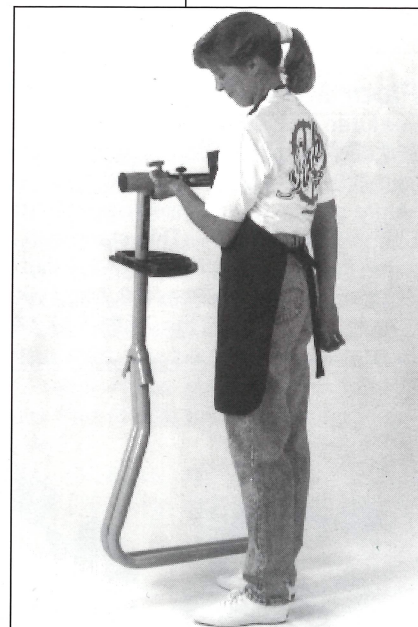
Shipping weight: 8 lbs. (3.63 kg.)



Work Tray #104

This large tray is ideal for holding small parts and tools. It features deep sides so small items stay put. A variety of slots and holes hold any tool. Fits all Park Tool Repair Stands. (Included with models PRS-2 and PRS-3).

Shipping weight: 2 lbs. (.91 kg.)



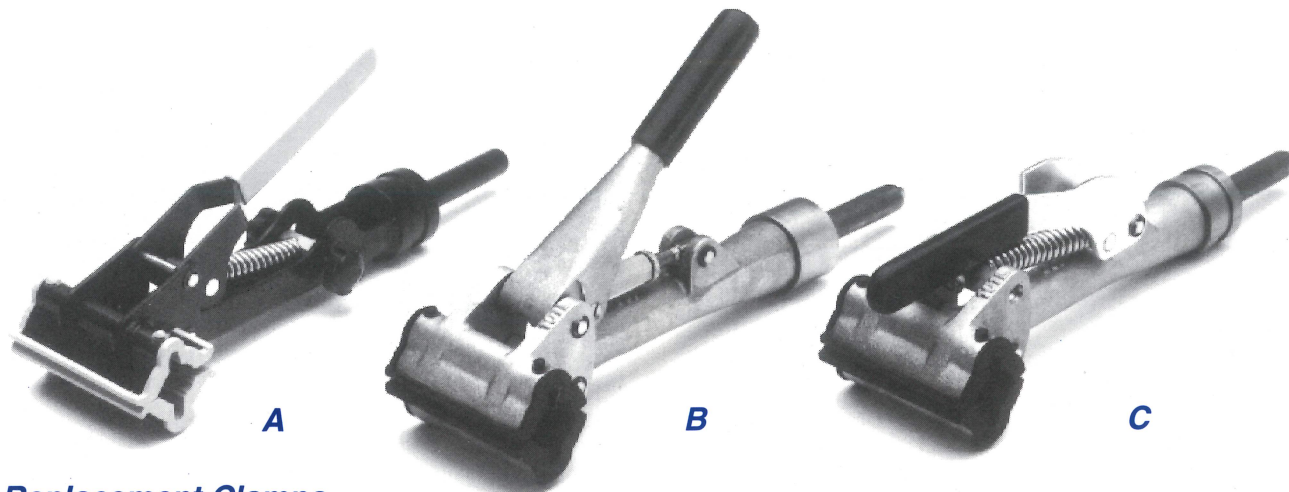
PCS-1 Folded
Just lift and it folds!

Park Tool Home Mechanic Repair Stand PCS-1

Many riders now use a repair stand to perform simple repair jobs on their own bikes. A good consumer repair stand should incorporate the following features:

- Quick adjusting clamp to fit all tubing sizes
- 360 degree rotation for infinite placement
- Quality construction for long life
- Folds for storage
- Competitively priced
- Strong, sturdy, and attractive

We are pleased to present our PCS-1 which meets all of the above criteria, and is backed by the Park Tool commitment to quality and integrity. Constructed of heavy steel tubing and powder-coated for durability. Rubber feet are adjustable for uneven floors. For easy storage, simply lift the stand and the legs will fold together. Shown with available Work Tray #104 (see page 3). Shipping weight: 25 lbs. (11.34 kg.)



Replacement Clamps

Part #100-2C, 100-3C, and 100-8C

Update older Park Tool Repair Stands with these new clamps which fit frame sizes 1" to 1 3/8", allow for cable routing on the top-tube, and feature replaceable jaw covers. Three models available.

A. 100-2C Spring Linkage Clamp

Fits PCS-1 and PCS-2

Shipping weight: 4 lbs. (1.81 kg.)

B. 100-3C Adjustable Linkage Clamp

Fits PRS-2, PRS-3, and PRS-4

Shipping weight: 6 lbs. (2.72 kg.)

C. 100-8C Spring Linkage Clamp

Fits PRS-6, PRS-7, and PRS-8

Shipping weight: 6 lbs. (2.72 kg.)



Replacement Clamp Covers

Available in three models to fit all Park Tool Repair Stand Clamps. Specify grey or black.

#468 Fits all new clamps with double cable reliefs.

#468G (Grey) Fits PCS-1 and PCS-2

#468B (Black) Fits PRS-2 through PRS-8

#467 Fits all clamps with single cable relief.

#467G (Grey) Fits PCS-1 and PCS-2

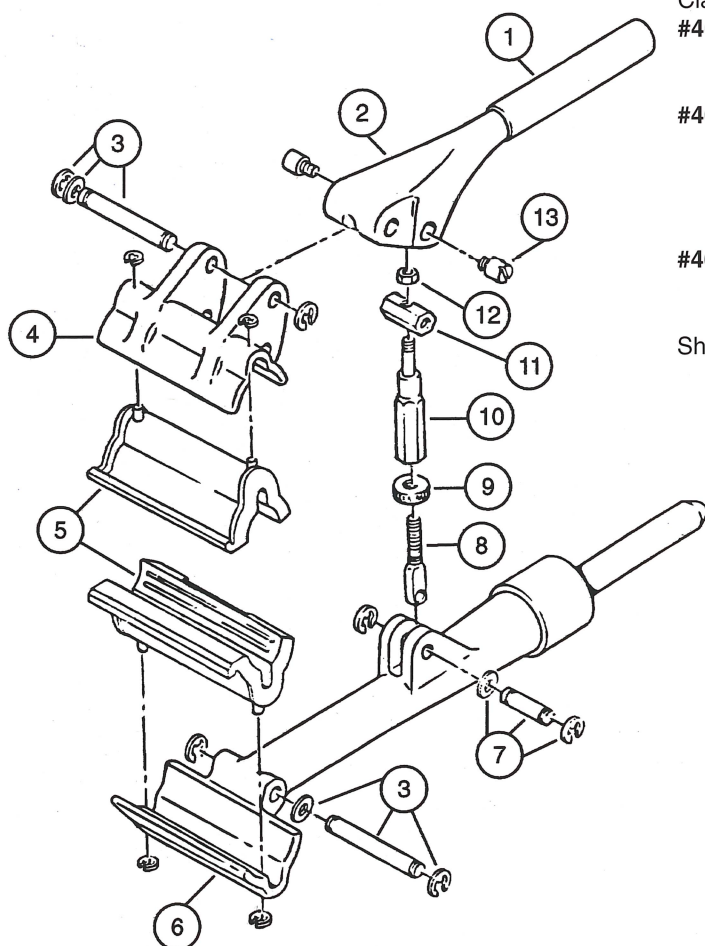
#467B (Black) Fits PRS-2 through PRS-8

For #468 or #467, simply discard old covers and install new covers. Each set includes two circlips.

#466 Fits original clamps with plastic-dipped jaws.

Old plastic should be removed before installing new covers. Available in black only, as shown above.

Shipping weight: 2 ozs. per pair (.06 kg.)



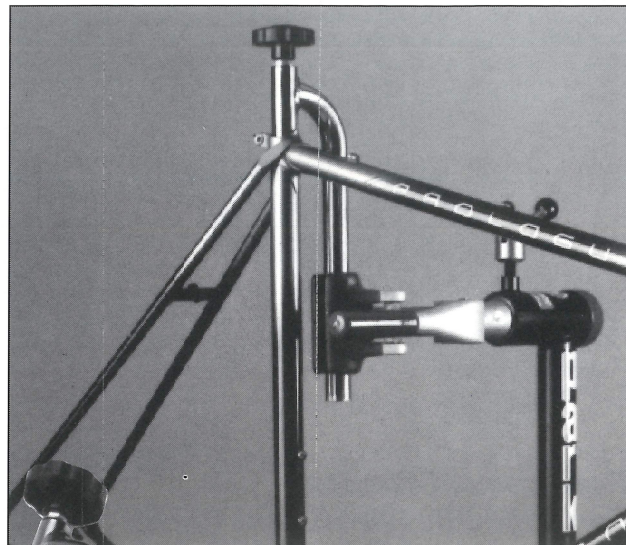
Replacement Parts for Replacement Clamp #100-3C

Ref. #	Part #	Description
1	138	Handle
2	103S	Handle
3	107S-2	Pin with washers and circlips
4	101-3	Moveable jaw
5	468B	Jaw cover set with circlips
6	102-3	Rotating shaft
7	108S-2	Pin with washers and circlips
8	117S	Eyebolt
9	119S	Knurled locknut
10	118S	Adjusting barrel
11	121S	Adjusting barrel pivot
12	136	Nut, 1/4-20
13	116S	Cap screw



Handlebar Holder HBH-1

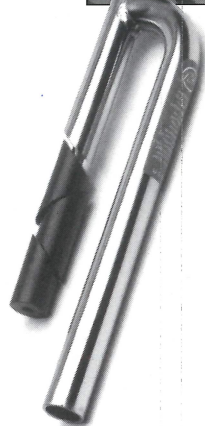
The Handlebar Holder is designed to hold the handlebars stationary, keeping the front wheel from "flopping" while the bike is worked on. It will hold the handlebar securely when the bicycle is rotated to any position in your Park Tool Repair Stand. Works on virtually all mountain and road bikes. Velcro® strap is included to attach the Handlebar Holder to the frame. Shipping weight: 1 lb. (.45 kg.)



Internal Seat Tube Clamp ISC-1

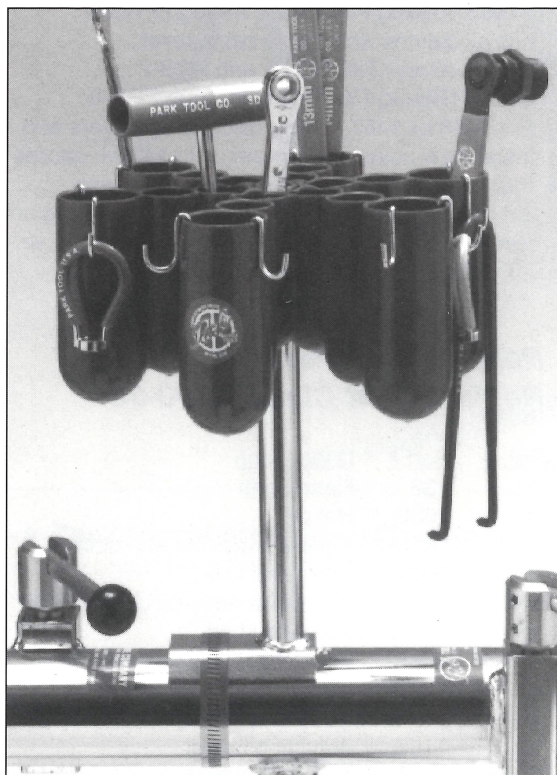
This tool is designed to be used with any Park Tool Repair Stand. The purpose of the ISC-1 is to allow a mechanic to hold a frame securely without actually clamping onto a painted surface. Simply insert the ISC-1 into the seat tube and turn the knob to expand the tool. The repair stand is then clamped onto the extended tube. Fits frames 25mm or larger, (most touring and mountain bikes).

Shipping weight: 3 lbs. (1.37 kg.)



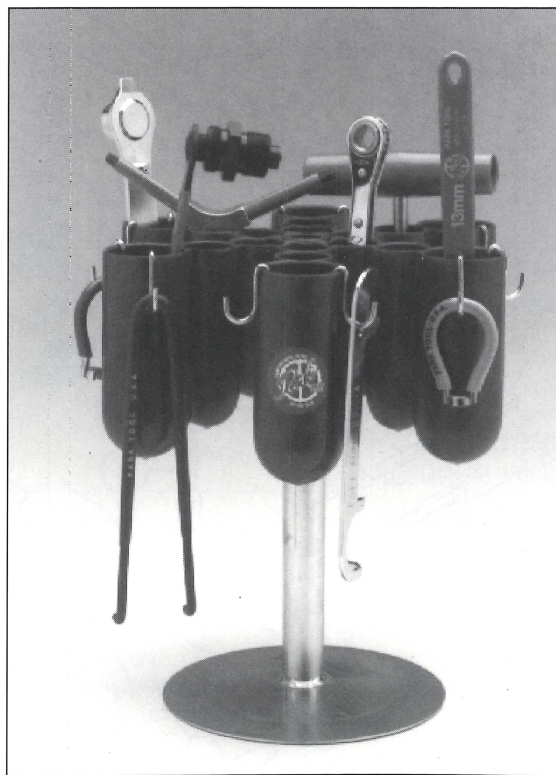
Tool Kaddie Model TK-2 and TK-3

This handy unit is perfect for storing frequently used tools right at your fingertips. The Tool Kaddie rotates to bring needed items up close, features deep pockets, and includes 12 hooks. Also an ideal place to store pencils, pens, rulers, etc. when used on a desk. Two models available. Shipping weight: 4 lbs. ea. (1.81 kg.)



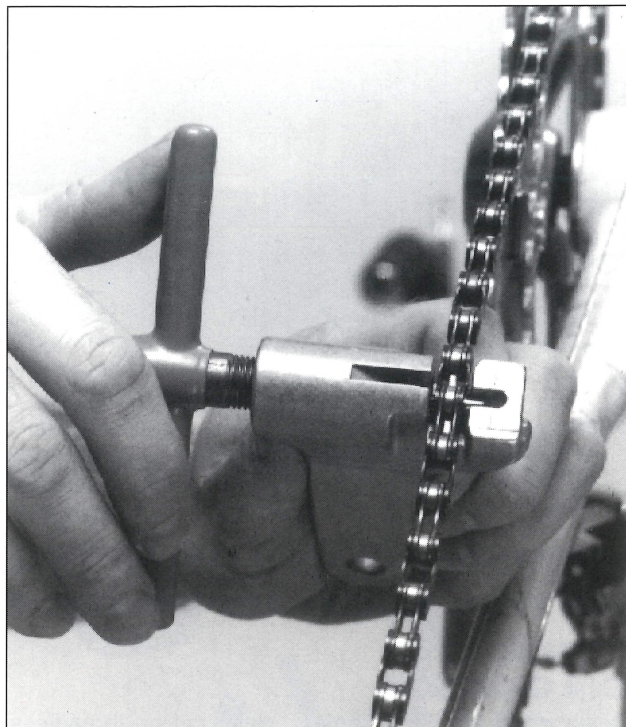
Repair Stand Mount Tool Kaddie TK-2

Mounts easily on any Park Tool Repair Stand. Complete with all necessary mounting hardware.



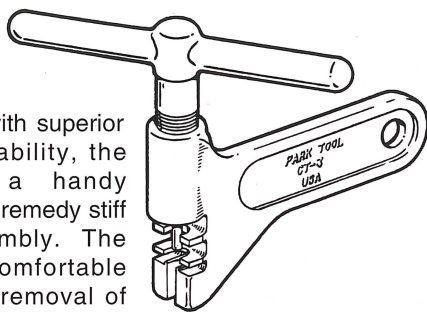
Bench/Desk Mount Tool Kaddie TK-3

Free-standing model for use on any flat surface. Ideal for bench or countertop use.



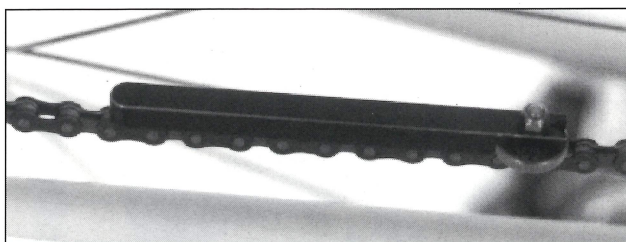
Screw Type Chain Tool CT-3

Because of the tremendous force needed to remove chain pins, our Screw Type Chain Tool is now made from investment cast tool steel. Along with superior strength and durability, the CT-3 features a handy "loosening shelf" to remedy stiff links after reassembly. The fine thread and comfortable size enable easy removal of even the toughest chain pins. Like all Park Tool Chain Tools, it's Hyperglide compatible. Shipping weight: 9.8 ozs. (.28 kg.)



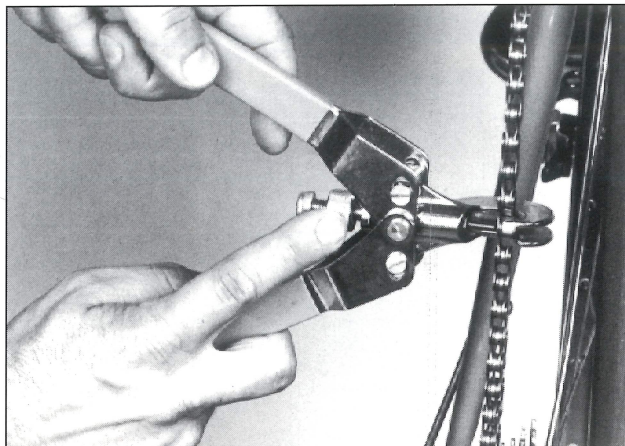
Replacement Chain Tool Pin CTP

These pins, (not shown), fit Park Tool's CT-1, CT-2, and CT-3 Chain Tools. Made from hardened alloy tool steel. Shipping weight: 9 ozs. per 100 (.26 kg.)



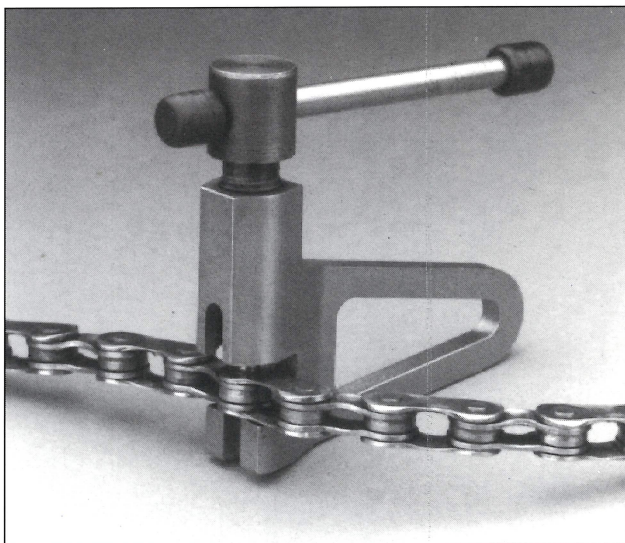
Chain Checker CC-1

Park Tool's Chain Checker offers a fantastic way to determine chain wear and stretch. Most chain manufacturers recommend chain replacement at 1% stretch. Failure to replace the chain at this point will result in poor shifting and uneven drive train wear. The CC-1 can be used on any chain, in any five inch area. Simply insert the CC-1 into any two chain links, turn the numbered dial until it stops. The dial will show just how worn the chain is. Color coded for easy "go", "no go" determination. Shipping weight: 3 ozs. (.09 kg.)



Plier Type Chain Tool CT-2

Often referred to as the Park Tool "Super Chain Tool," the CT-2 is designed for fast easy removal or repair of chains. The tremendous leverage generated removes even the toughest rivets. Ideal for use on Shimano Uniglide and Hyperglide chains. To use, simply put the chain roller in the built-in recess and squeeze the handles. The travel adjusts to push the rivet back in the proper distance. Shipping weight: 1.5 lbs. (.68 kg.)



Compact Chain Tool CT-5

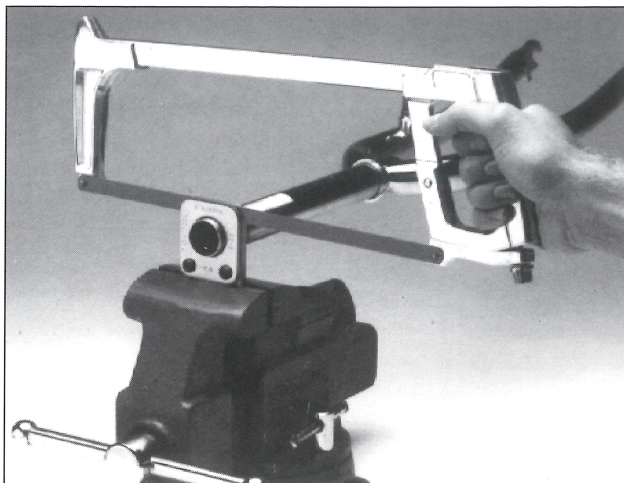
Hyperglide compatible! This is it, a small chain tool that goes anywhere and actually performs like a shop quality tool. The special design allows use on any derailleur chain and the fine thread makes pin removal and installation a breeze. The CT-5 uses a super strong replaceable pin and weighs only 77 grams. The perfect take-along.

Shipping weight: 3.5 ozs. (.10 kg.)

Replacement Chain Tool Pin CTP-5

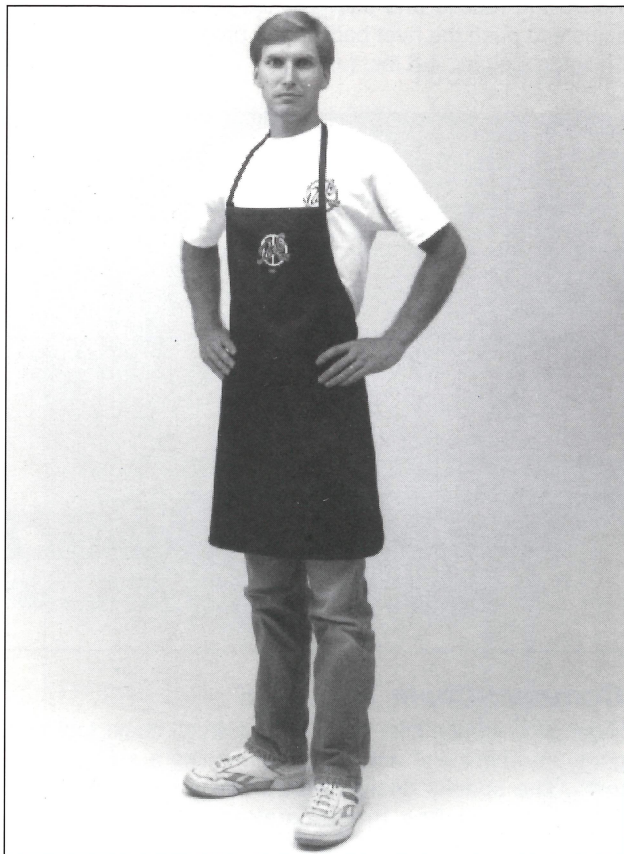
These pins, (not shown), fit Park Tool's CT-5 Chain Tool. Made from hardened alloy tool steel.

Shipping weight: 9 ozs. per 100 (.26 kg.)



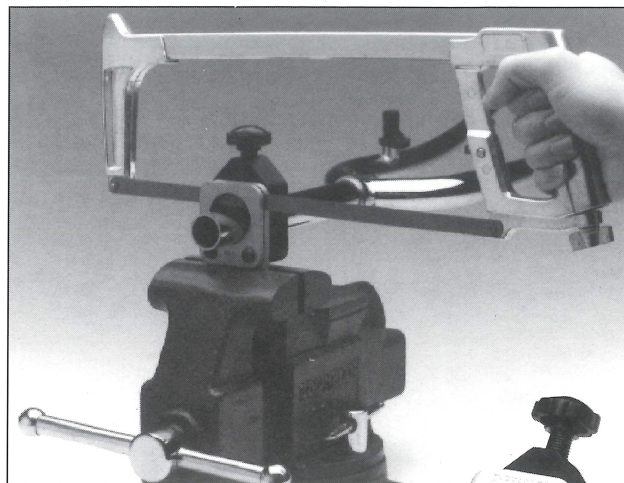
Saw Guide Set SG-5

Cut any fork quickly and easily with these handy fork stack cutting guides. The SG-5 Guide Set contains a guide for each of the three tube diameters 1", 1-1/8", and 1-1/4". Heat-treated for long life, each guide cleans the freshly cut threads upon removal so headset parts install easily. Cut as little as 1mm from any fork. Shipping weight: 2 lbs. (.91 kg.)



Park Tool Shop Apron SA-1

Protect your clothes and gain the advantage of large pouch pockets whenever you work in the shop. Our full-length, shop-quality aprons are made of a heavy 7-ounce poly cotton twill for comfort and durability. Navy blue with white embroidered Park Tool logo. Shipping weight: 1 lb. (.45 kg.)



Threadless Fork Saw Guide SG-6

Designed to ensure a straight, clean cut on threadless forks, the SG-6 fits 1", 1 1/8" and 1 1/4" forks. A must for use with threadless fork systems. Simply slide the guide onto any threadless fork, clamp it down, and cut using the narrow cutting slot. Heat-treated for long life. *For threaded forks, use SG-5 Guide Set which cleans the threads.* Shipping weight: 13.5 ozs. (.38 kg.)



Threadless Nut Setters TNS-1 and TNS-2

The Threadless Nut Setter is used to install the star-fangled nut found on AheadSet and other threadless headset systems. Thread the nut onto the TNS, insert into the fork stack, and tap it in with a hammer. The Nut Setter sets the star-fangled nut to 15mm and keeps it straight.

TNS-1 Fits 1" and 1 1/8" forks.

Shipping weight: 1.2 lbs. (.54 kg.)

TNS-2 Fits only 1 1/4" forks.

Shipping weight: 1.7 lbs. (.77 kg.)

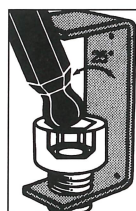
Hex Wrench Set AWS-1

This wrench combines three sizes (4mm, 5mm, and 6mm) of hex wrenches in a comfortable, easy-to-use design providing needed leverage to loosen or tighten hex-head screws and bolts. Each hex extension is vinyl-coated for hand comfort. Also available carded: AWS-1C
Shipping weight: 3 ozs. (.09 kg.)



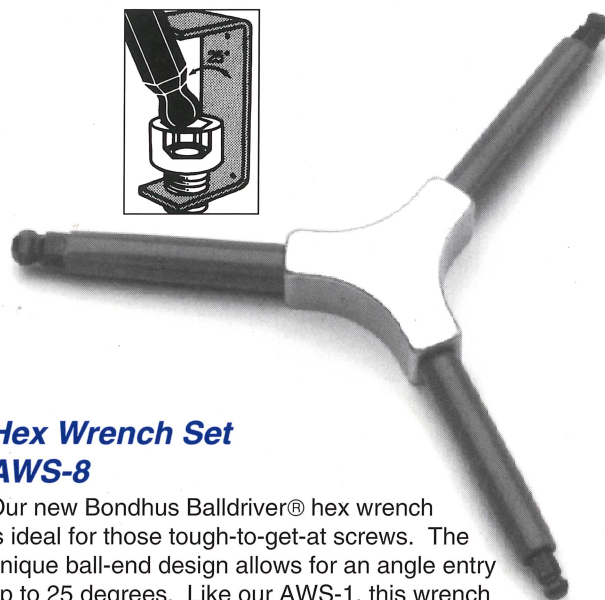
Screwdriver and Socket Combination Wrench SDY-1

Combines a slotted screwdriver, Phillips screwdriver and a 1/4" socket drive complete with 8mm, 9mm, and 10mm quality sockets on a unique "Y" wrench that is compact, powerful and comfortable to use. Perfect size to carry along in a bike bag or a tool box. Also available carded: SDY-1C
Shipping weight: 4 ozs. (.11 kg.)



Fold Up Hex Wrench Set AWS-4

This set combines 4mm, 5mm, and 6mm hex keys with a #1 Phillips and flat blade screwdriver. The AWS-4 is a handy fold-up tool, which makes it convenient to carry along for emergency repairs. Hardened and chrome-plated for long use. Also available carded: AWS-4C
Shipping weight: 6 ozs. (.17 kg.)

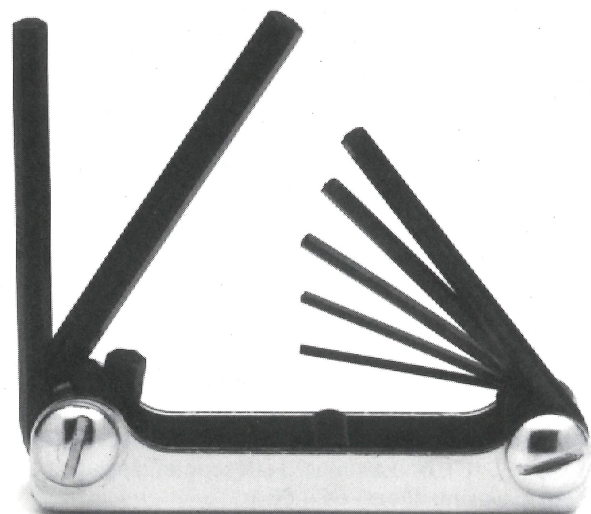


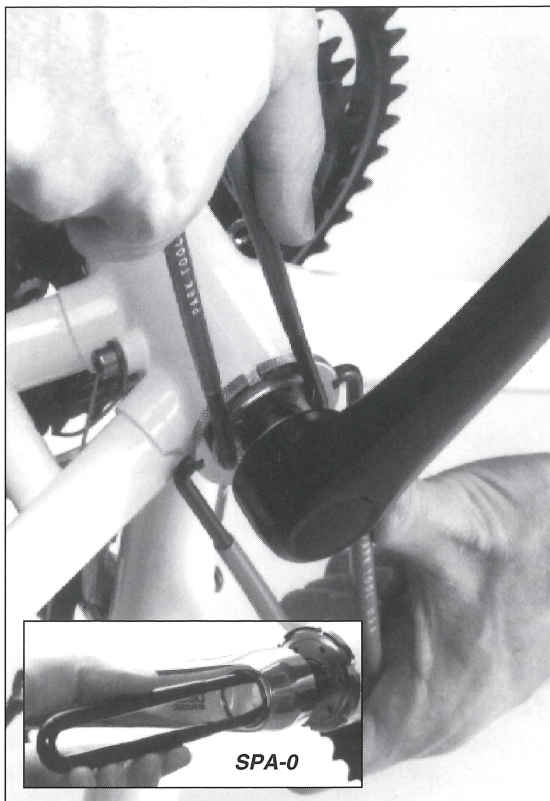
Hex Wrench Set AWS-8

Our new Bondhus Balldriver® hex wrench is ideal for those tough-to-get-at screws. The unique ball-end design allows for an angle entry up to 25 degrees. Like our AWS-1, this wrench combines 3 popular hex wrench sizes (4mm, 5mm, and 6mm) in an easy-to-use "Y" design for needed leverage on stubborn bolts. Each extension is made of industrial quality hardened steel and is vinyl-coated for comfort. Also available carded: AWS-8C
Shipping weight: 3 ozs. (.09 kg.)

Fold Up Hex Wrench Set AWS-5

This wrench combines all the popular size hex wrenches needed on bikes today: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, and 6mm. The top quality, heat-treated hex wrenches are contained in a chrome-plated fold-up case. Very convenient and easy to use. Also available carded: AWS-5C
Shipping weight: 6 ozs. (.17 kg.)





Park Tool Tire Seater PTS-1

This tool is designed to quickly and easily "seat" stubborn tires. Often tire beads slip below the rim edge and are difficult to pull out. Simply place the non-slip jaws on the tire and lift out. The Park Tool Tire Seater adjusts to various tire widths. It's chrome-plated and the handles are vinyl-coated for comfort.

Shipping weight: 1 lb. (.45 kg.)

Pin Spanners SPA-0 through SPA-5

Park Tool Pin Spanners have been designed to give maximum usefulness and versatility at the lowest possible cost. Tough high-carbon tool steel is used on each tool to ensure long life. Handle is vinyl-coated to give a good grip. Color-coated for easy recognition.

SPA-0 (Black) This small pin spanner is used to remove and install two-holed bottom bracket dust caps.

SPA-1 (Green) Fits adjusting cone on most 3-piece cranks.

SPA-2 (Red) Fits adjusting cone on most gear clusters.

SPA-3 (Blue) Fits lockring on most 3-piece cranks.

SPA-4 (Yellow) Fits adjusting cone on most 1-piece cranks.

Shipping weight: 2 ozs. ea. (.06 kg.)

SPA-5 Set of SPA-1 through SPA-4

Shipping weight: 8 ozs. ea. (.23 kg.)

Each also available carded: SPA-0C through SPA-5C



Adjustable Spanner SPA-6

This spanner uses hardened, replaceable pins. Designed for heavy-duty use, the distance between pins is adjustable, allowing use on virtually any hanger cup. Uses Part #1501 Replacement Pins.

Also available carded: SPA-6C

Shipping weight: 1 lb. (.45 kg.)



Tire Lever TL-1

Packaged in sets of three, the Park Tool Tire Levers are made of glass-injected nylon to ensure long life and damage-free operation. The unique design of the TL-1 actually lifts the tire away from the rim and keeps the tube from being pinched. These blue levers are available carded (TL-1C), or bulk in a 25-set counter display.

Shipping weight: 2 ozs. ea. (.06 kg.)

10 lbs. display (4.5 kg.)



Freewheel Removers FR-1 through FR-5

Heat-treated alloy tool steel, one inch base fits wrench or bench vise. Thin wall construction allows use without removal of cones and locknuts.

- FR-1** Fits all Shimano freewheels since 1985, Uniglide before 1985; S.I.S. and Sachs Aris freewheels.
- FR-2** Fits Sun Tour 2-notch freewheels. Not recommended for Sun Tour 4 to 6-notch freewheels.
- FR-3** Fits all Sun Tour 4-notch freewheels since 1986.
- FR-4** Fits Atom, Regina, splined Zeus, and some Schwinn Approved freewheels.
- FR-5** Fits Shimano Hyperglide lockring. (Note: You must hold freewheel with a "chain whip.")

Also available carded: FR-1C through FR-5C

Shipping weight: 4 ozs. ea. (.11 kg.)

Frame Taps TAP-7 through TAP-10

Frame Taps will become a lifesaver at some time for virtually every mechanic. As with all Park Tool Taps, these are made of high carbon steel and are precision ground. Park Tool Frame Taps cut easily and fit conventional tap handles.

TAP-7 3mm x .5 for rear wheel drop-out alignment screws.

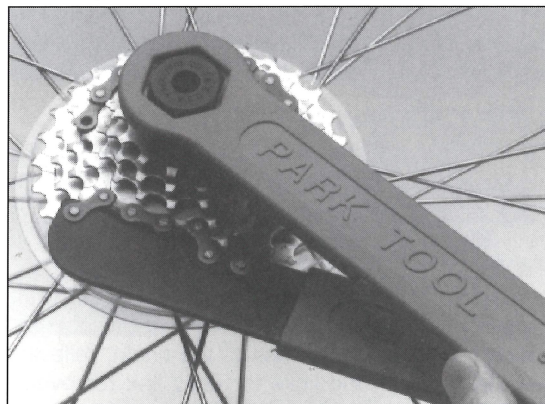
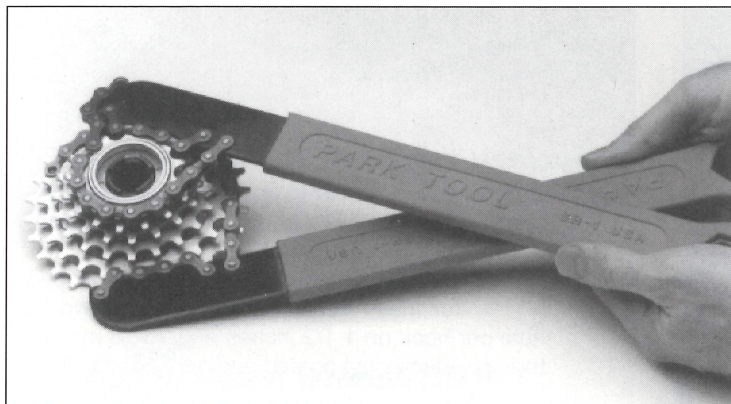
TAP-8 5mm x .8 for water bottle, toe clip, fender and rack bosses.

TAP-9 6mm x 1 for cantilever brakes and large fender bosses.

TAP-10 10mm x 1 for derailleur hanger.

Individually packaged.

Shipping weight: 1 oz. ea. (.03 kg.)



Sprocket Remover SR-1

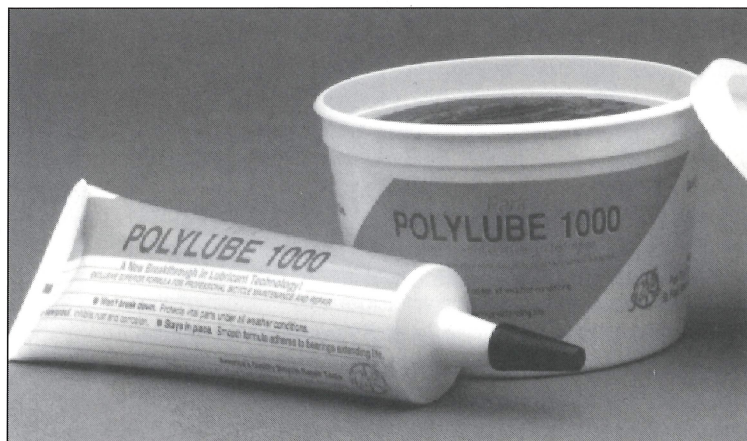
Our shop quality "chain whip" is built to survive the punishment of everyday shop use. Heat-treated to prevent bending and flexing, and equipped with special hardened pins to keep the Sedis Sport chain in place, the SR-1 is sure to become a shop favorite. The comfortable handle grip surrounds a hex-shaped hole designed to fit most freewheel removers.

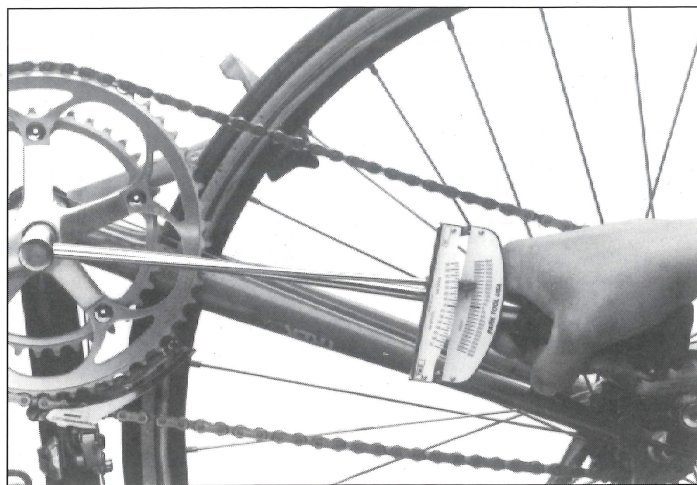
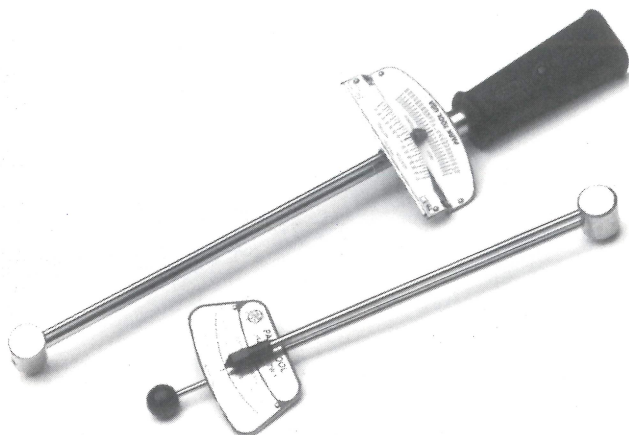
Shipping weight: 14.5 ozs. (.41 kg.)

PolyLube 1000

Park Tool's poly-urea based lubricant was developed specifically for bicycle maintenance and repair. PolyLube 1000 uses a new type of synthetic base with extremely high shear strength to protect vital parts under extreme conditions. PolyLube 1000 also repels moisture and is compatible with conventional greases. Available in a handy four-ounce tube and a one-pound tub.

PPL-1 4 oz. tube **PPL-2** 1 lb. tub



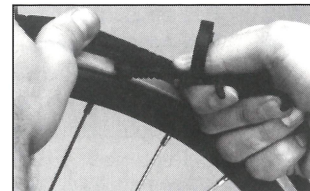
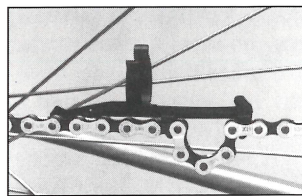
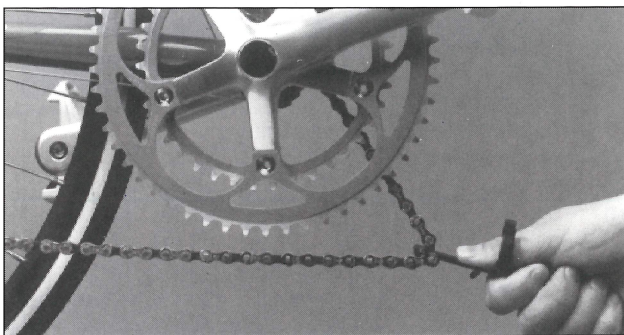


Torque Wrenches TW-1 and TW-2

Because torque specifications are now given for most parts and accessories, Park Tool offers two different tough, accurate torque wrenches. The TW-1 is 1/4" drive and ranges from 0-60 inch pounds with compatible metric equivalents. The TW-2 is 3/8" drive and ranges from 0-600 inch pounds, also with adjacent metric scale. As torque requirements become more a part of everyday shop use, these wrenches will become more and more important.

Shipping weight: TW-1: 1 lb. (.45 kg.) TW-2: 1.63 lbs. (.74 kg.)

See Page 28 for Torque Specifications Table.



TIRE/CHAIN-GER TCG-1

Park Tool's patented TIRE/CHAIN-GER allows the bicycle rider to do three repairs with one tool. First, the TCG-1 allows a "hands off" method of putting a chain back on the sprockets without getting hands greasy and messy. The TCG-1 is also a handy tire tool for emergency tire repairs, quickly and easily removing tire from rim. The third function is a chain compressor which hooks onto two links of the chain, relieving the tension between the links for easy link removal. The TIRE/CHAIN-GER clips onto any bicycle frame, making it readily available for emergency repairs. Packaged carded.

Shipping weight: 1 oz. (.03 kg.)

Bicycle Storage Hooks #450 and #451

An ideal way to store bicycles, wheels, toys, ladders, etc.

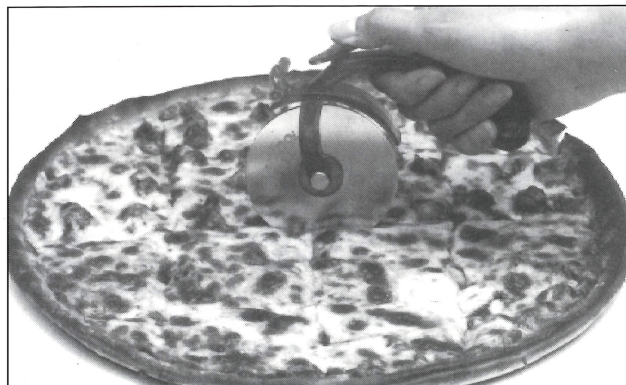
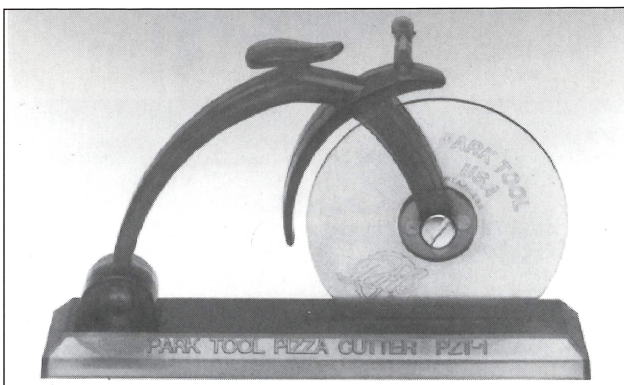
Machine Thread Hooks #450

Use steel tubing or angles as the support for these hooks. Complete with two hex nuts per hook on 1 1/2 inches of 5/16-18 machine thread. Black vinyl-coated and packaged bulk.

Wood Thread Hooks #451

Clean, sharp threads, heavy red vinyl coating, zinc-plated, and packaged bulk.

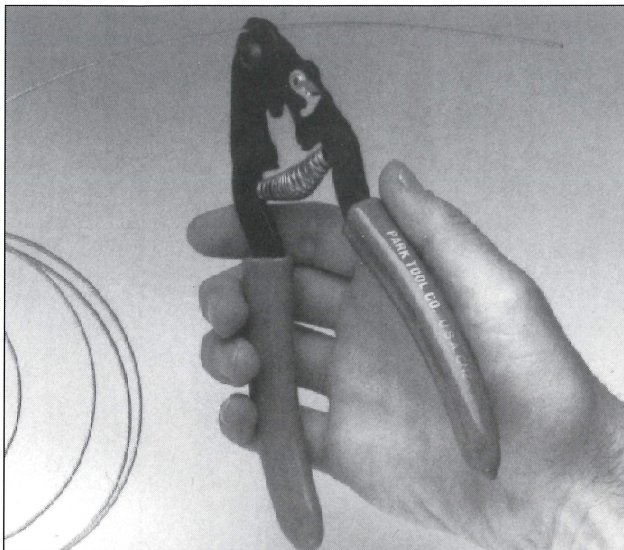
Shipping weight: 18 lbs. per 100 hooks (8.16kg.)



Park Tool Pizza Cutter PZT-1

What bike shop would be complete without a good pizza cutter? The PZT-1 just happens to be a top-quality pizza cutter that looks like a high-wheeler. No hidden use, just a pizza cutter. Available only in the world famous "Park Tool Blue". Comes complete with display stand and gift box.

Shipping weight: 8.3 ozs. (.24 kg.)

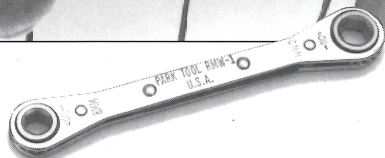
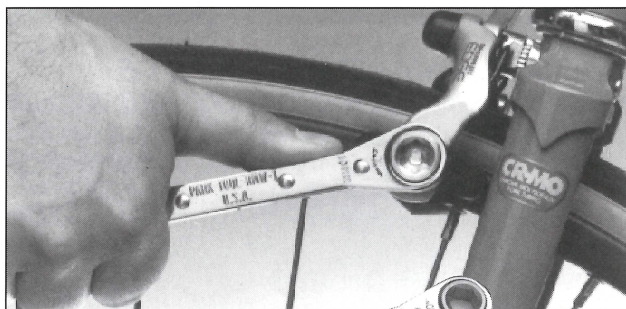


Cable Cutter CN-2

The Park Tool Cable Cutter is manufactured from 1095 high carbon steel, heat-treated to give a long lasting cutting edge. Jaws of the CN-2 are surface ground to compress the cable strands at the point of cut to help prevent cable fraying. Comfortable plastic handles give a good feel and grip on the handles. A built-in crimping slot makes it easy to install cable end caps.

Also available carded: CN-2C

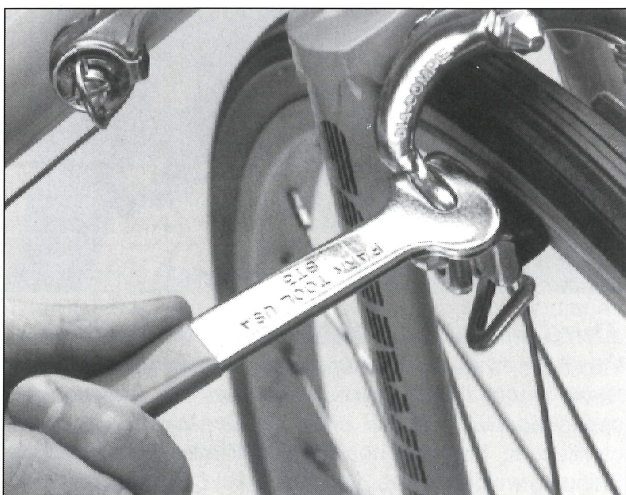
Shipping weight: 4 ozs. (.11 kg.)



Ratcheting Metric Wrench RMW-1

A small, quality hand wrench with 8mm and 10mm sockets. Fits many miscellaneous nuts and bolts. Useful on brakes, derailleurs, etc. Chrome-plated for long, tough use.

Shipping weight: 8 ozs. (.23 kg.)



Metric Wrenches CBW-1 through CBW-6

These small, chrome-plated wrenches can be used on brakes, derailleurs, etc.

CBW-1 8mm open - 10mm open

CBW-2 8mm box - 10mm box

CBW-3 8mm box - 10mm open

CBW-4 9mm open - 11mm open

CBW-5 9mm box - 11mm box

Also available carded: CBW-1C through CBW-5C

Shipping weight: 1 oz. ea. (.03 kg.)

CBW-6 Set of CBW-1 through CBW-5

Shipping weight: 5 ozs. set (.14 kg.)



Offset Brake Wrenches

OBW-1, OBW-2, OBW-3

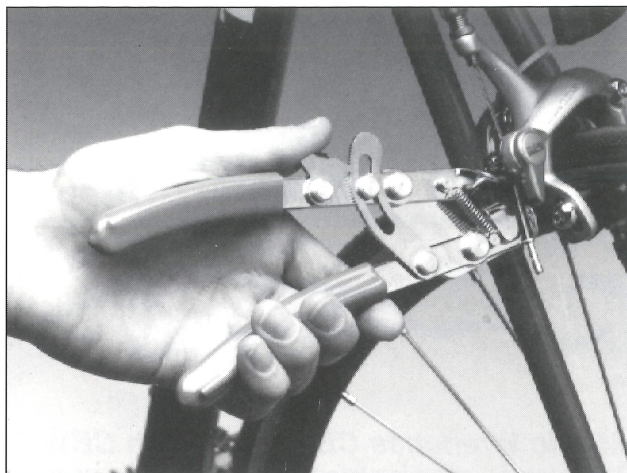
We call these our offset wrenches because of their unique design, which allows them to be used in tight places, such as centering caliper brakes. OBW-1 has 10mm and 13mm openings, OBW-2 has 11mm and 12mm openings. OBW-3 has a 14mm opening, and the other end fits into the tension springs to rotate the brake on its bolt. Also available carded: OBW-1C, OBW-2C, OBW-3C

Shipping weight: 5 ozs. ea. (.14 kg.)

Brake Toe-In-Tool BT-3

This tool is used for aligning caliper brake pads in relation to the rim. Brake pads that are perfectly parallel to the rim will "squeal." Our tool allows pads to be easily "toed-in." Simply place tool on flats of caliper arms and gently twist. Hardened, chrome-plated chrome-moly with a vinyl-coated handle for good grip.

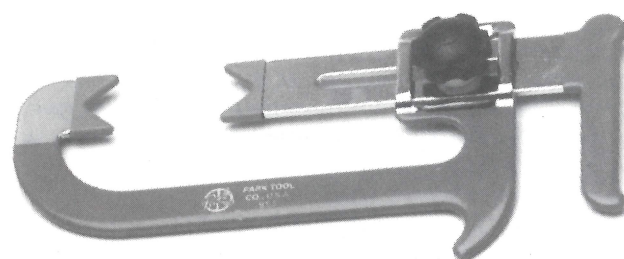
Shipping weight: 5 ozs. (.14 kg.)



Cable Stretcher BT-2

Commonly referred to as a "4th Hand", the Park Tool Cable Stretcher pulls cables tight. It features one-hand operation with a thumb lock to hold the cable tight while your hand is removed to tighten pull-up bolts and nuts. Made from heat-treated tool steel, chrome-plated, and featuring cushion grips for comfort. A must for any shop, home or professional.

Shipping weight: 12 ozs. (.34 kg.)



Sliding, Locking Third Hand BT-5

Designed to be used on all brakes, caliper and cantilever. The BT-5 can be used on many different parts of brakes - against shoe, mounting bolt, etc., whatever is more convenient. Squeeze handle and turn knob to lock in place. Chrome-plated and vinyl-coated to protect finish of brake.

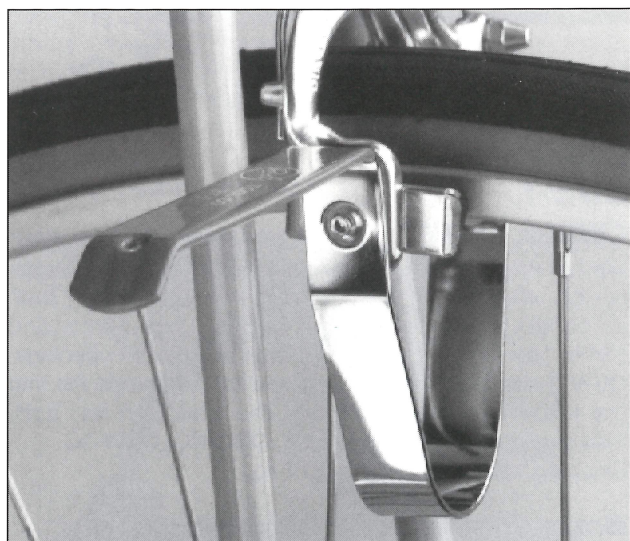
Shipping weight: 14 ozs. (.4 kg.)



T-Handled Screwdriver SD-1

This screwdriver is specially designed to deliver extra torque necessary to get brake levers really tight. The blade fits into the tightest brake levers.

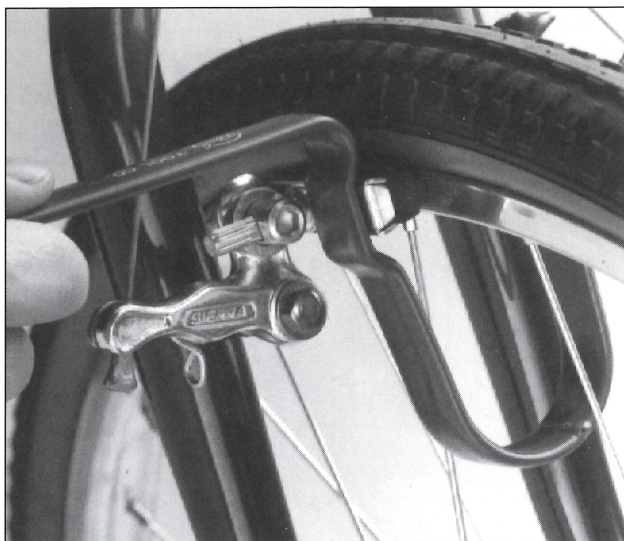
Shipping weight: 3 ozs. (.09 kg.)



Third Hand Brake Tool BT-1

The BT-1 holds caliper brake shoes against the rim while installing the cable. Vinyl coating is easy on the hands and smooth edges allow it to be easily attached and removed. Chrome-plated, heat-treated spring steel.

Shipping weight: 3 ozs. (.09 kg.)



Third Hand for Cantilever Brakes BT-4

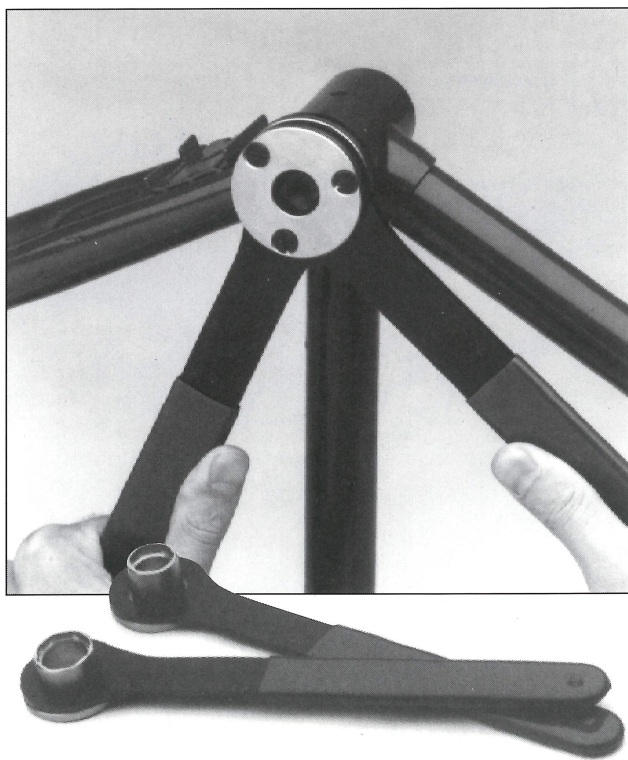
The BT-4 is designed especially for use on most cantilever brakes found on mountain bikes, etc. Vinyl-coated spring steel will not mar brake shoes. Will fit most older cantilevers. For more universal application, use the BT-5.

Shipping weight: 4 ozs. (.11 kg.)



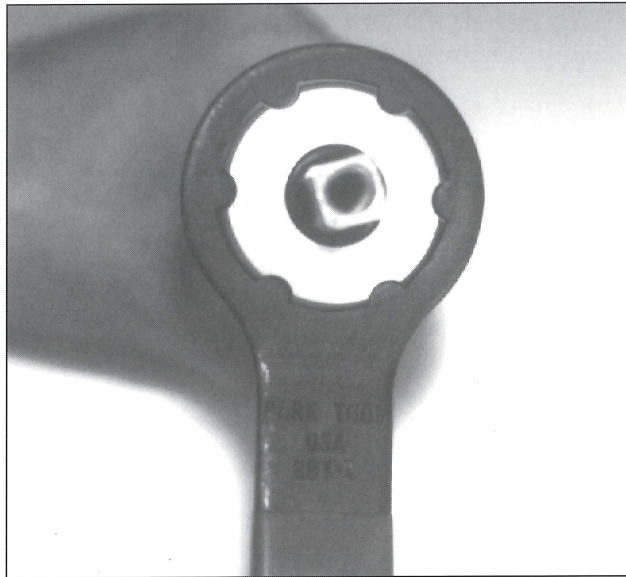
Bottom Bracket Tool BBT-2

Updated in 1993 to fit all models of Shimano's cartridge bottom brackets. The BBT-2 fits all of the 1992 model cartridges, as well as the new models. Simply insert the BBT-2 into the splined cartridge and either tighten or loosen using a 3/8 inch ratchet driver or a 20mm wrench. Shipping weight: 1 lb. (.45 kg.)



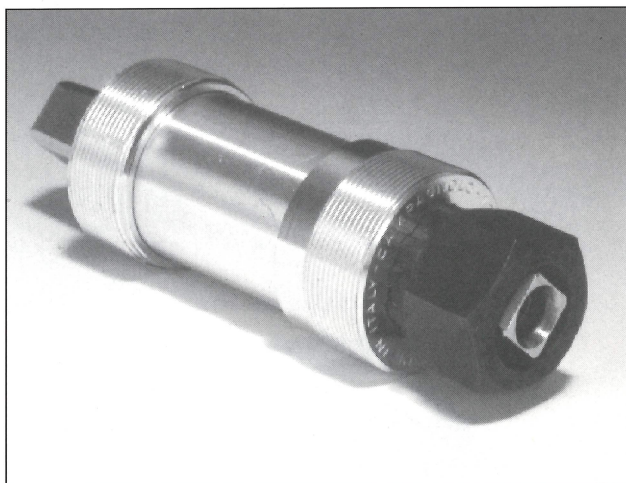
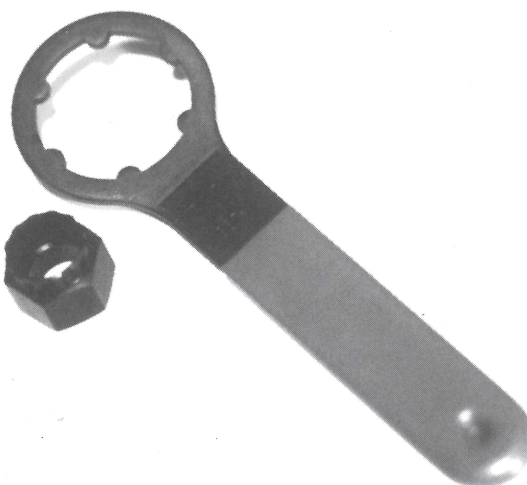
Shimano Cartridge Adjusting Tool BBT-6

The BBT-6 is an adjustment tool for several of Shimano's cartridge-type bottom brackets. One handle is used to loosen the cartridge's locknut, and the other to make the adjustment. Extra long, coated handles give great leverage for an easy job. The BBT-6 fits all cartridges except Dura-Ace and UN models. Shipping weight: 3 lbs. (1.37 kg.)



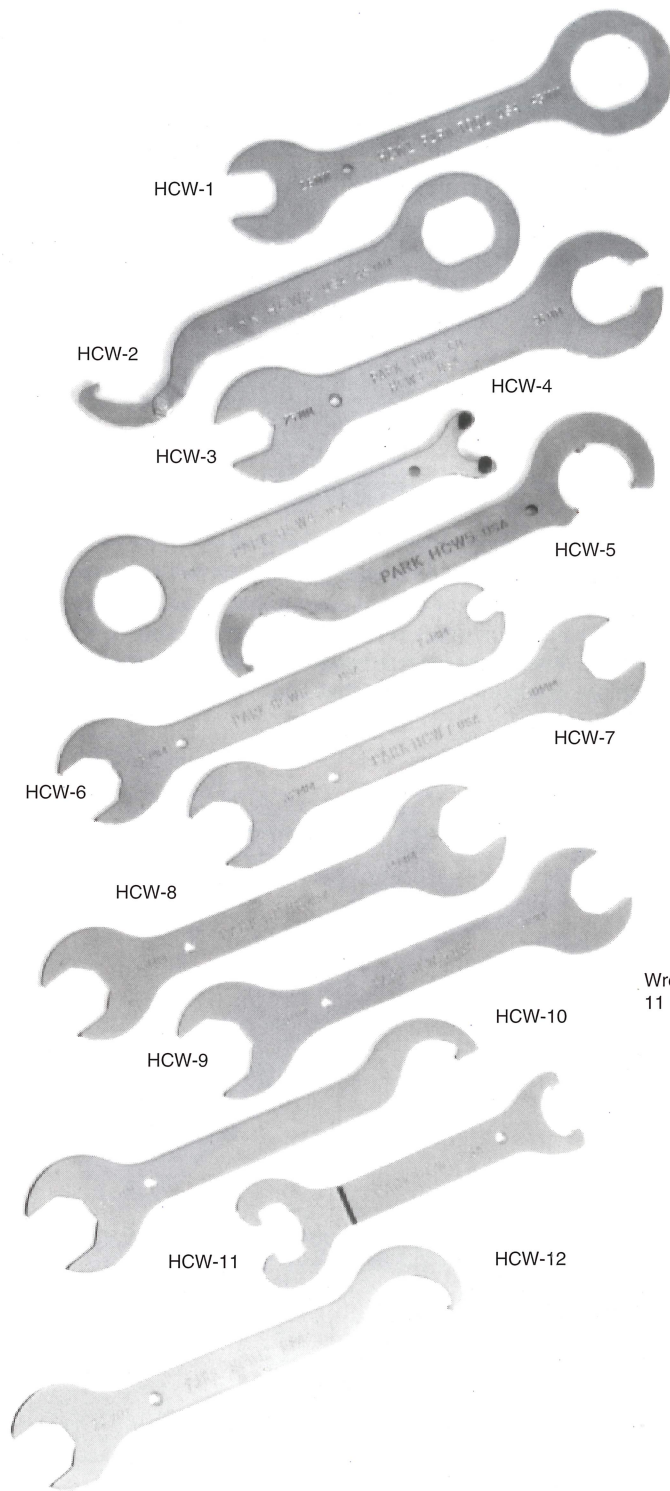
Bottom Bracket Tool BBT-4

Sachs, Campagnolo Veloce, Thun SKF Series, and a couple other lesser known brands are now using a "star shaped" bottom bracket cartridge cup that needs a special tool for installation and removal. The BBT-4 is that tool. Shipping weight: 5.3 ozs. (.15 kg.)



Bottom Bracket Tool BBT-5

Campagnolo cartridges need their own version of bottom bracket tools. This small tool looks like a freewheel remover, but has a slightly different shape. The BBT-5 fits Record, Chorus, and Athena bottom bracket cartridges. Shipping weight: 1.4 ozs. (.04 kg.)



Head, Crank, and Pedal Wrenches HCW-1 through HCW-12

Large, heavy-duty wrenches, heat-treated and chrome-plated for tough use. Designed to fit virtually all bottom bracket adjusting nuts and locknuts, head locknuts and adjusting nuts, and pedals. (Wrenches at left are in consecutive order).

- HCW-1** 43mm box-end and 26mm open-end.
(Box-end fits Schwinn one-piece inner cone).
 - HCW-2** 35mm box-end and pivoting locking spanner.
 - HCW-3** 36mm box-end and 25mm open-end.
(Open-end feature on 36mm allows use without removing crank arm).
 - HCW-4** 36mm box-end and pin spanner.
 - HCW-5** Hook spanners on each end fit all lockrings.
 - HCW-6** 32mm head wrench and 15mm pedal wrench.
 - HCW-7** 30mm and 32mm head wrench.
 - HCW-8** 33mm and 34mm head wrench.
 - HCW-9** 31mm and 40mm head wrench.
 - HCW-10** 35mm and 36mm head wrench.
(Fits "oversize" head sets).
 - HCW-11** Bottom bracket adjusting cup wrench.
(Fits slotted and raised cups).
 - HCW-12** 32mm open-end and lockring spanner.
- Shipping weight: Approx. 8 to 10 ozs. ea. (.23 to .28 kg.)

Wrenches are approximately
11 inches long each.

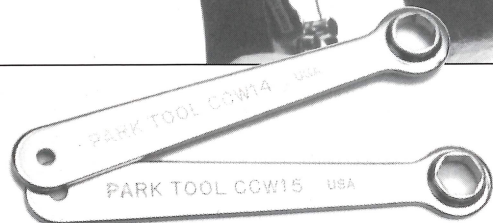
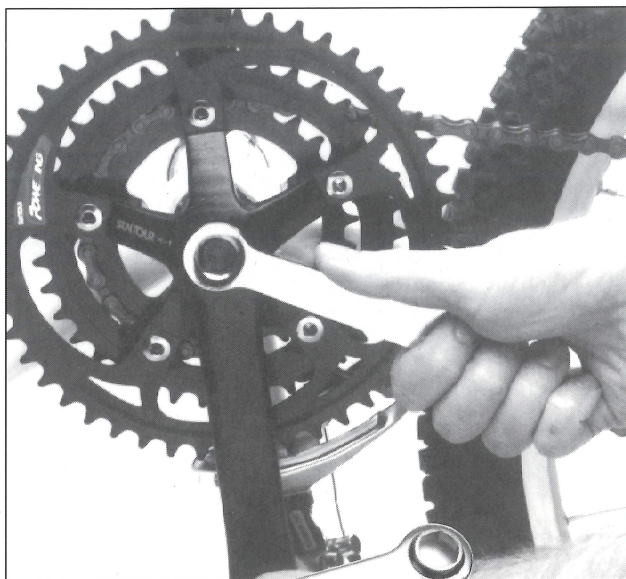


Road Wrenches RW-1 and RW-3

An ideal head and pedal wrench to carry along. Small size fits in small bag, or mounts under water bottle cage using slotted center. Chrome-plated tool steel.

- RW-1** 32mm head wrench and 15mm pedal wrench.
 - RW-3** 36mm head wrench and 15mm pedal wrench.
- Also available carded: RW-1C, RW-3C
Shipping weight: 4 ozs. ea. (.11 kg.)





Cotterless Crank Wrenches CCW-14 and CCW-15

These single-end Cotterless Crank Wrenches are available in 14mm and 15mm versions. Heat-treated and nickel-chrome plated.

Also available carded: CCW-14C, CCW-15C

Shipping weight: 4 ozs. ea. (.11 kg.)

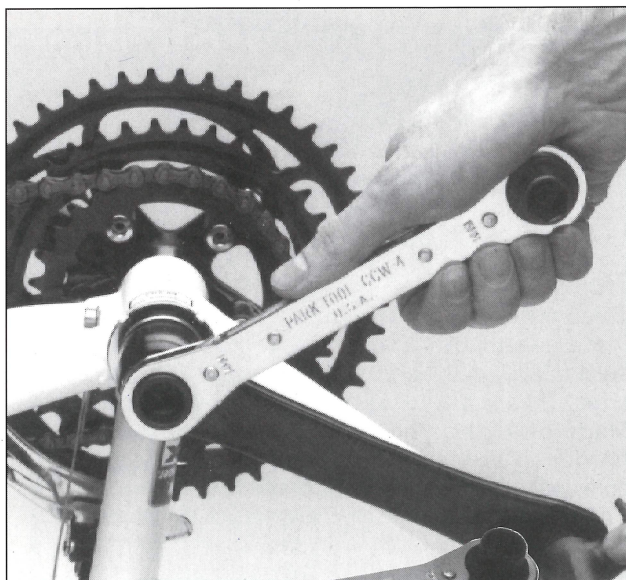


Cotterless Crank Puller CCP-1

This unique universal design, originated by Park Tool, eliminates the need to have a different puller for each different brand of crank set. The double-end puller nut fits all cranks with 22mm x 1 and 23mm x 1 threads. Thread lengths have been increased to accommodate new, deeper crank arms. Long handle provides plenty of leverage.

Also available carded: CCP-1C

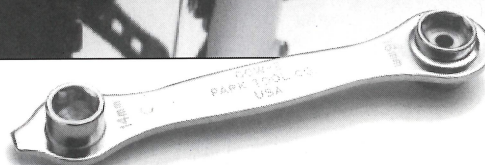
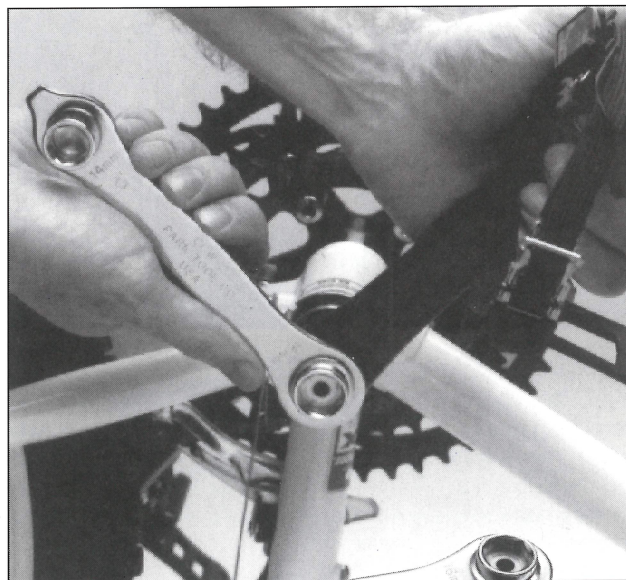
Shipping weight: 5 ozs. (.14 kg.)



Ratcheting Cotterless Crank Wrench CCW-4

Extra-deep 14mm and 15mm sockets on a long, ratcheting, reversing wrench. Quality chrome-plated tool steel.

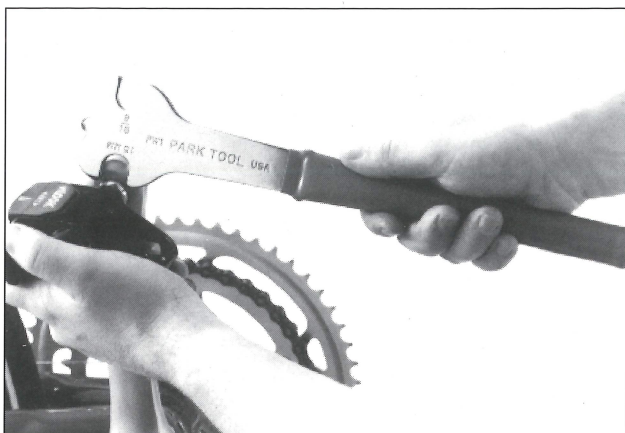
Shipping weight: 10 ozs. (.28 kg.)



Cotterless Crank Wrench CCW-2

Use one wrench to remove dust caps and tighten or loosen mounting bolts on all brands of cotterless cranks. The CCW-2 has a 5mm hex key and a screwdriver for dust caps and box wrench sizes 14mm, 15mm, and 16mm for mounting bolts. Deeper sockets on 14mm and 15mm reach deep into aero-shaped crank arms. Also available carded: CCW-2C

Shipping weight: 4 ozs. (.11 kg.)



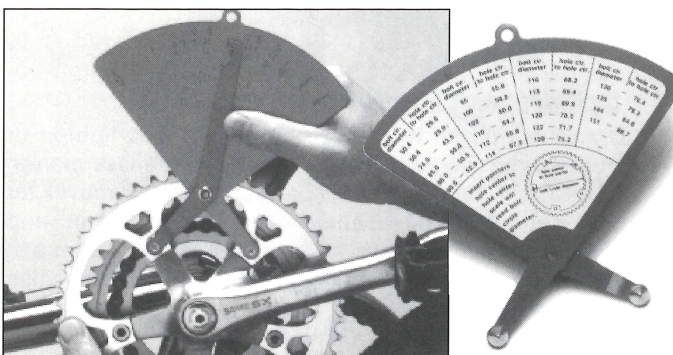
Pedal Wrench PW-1

Incorporating two popular sizes on one wrench, 15mm and 9/16", the Park Tool Pedal Wrench has a unique design which permits sufficient force to be used to remove even the most stubborn pedals. The long vinyl-coated handle makes it comfortable to use. Heat-treated, Chrome-plated, chrome-moly steel. Shipping weight: 11 ozs. (.31 kg.)



Crank Straightener HCS-1

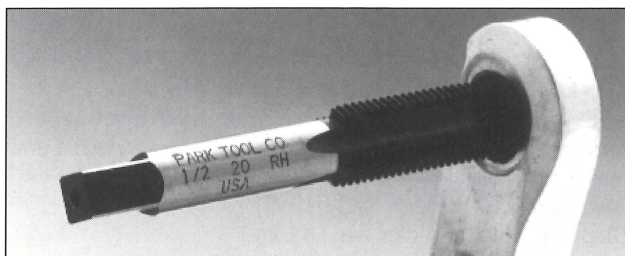
You can easily straighten one-piece cranks without removing pedals. Our unique design has a sliding fulcrum which permits you to place tool in proper position on bent crank arm. The Crank Straightener is super strong, chrome-plated, and features heavy vinyl padding to protect cranks from damage. Ideal for BMX cranks. Shipping weight: 4 lbs. (1.81 kg.)



Crank Cotter Remover CR-2

This chrome-plated tool was designed to remove and reset tapered crank cotters by applying tremendous power to the pin without damaging cups, bearings, or cotter pins.

Shipping weight: 2 lbs. (.91 kg.)



Pedal Taps TAP-1 through TAP-6

Clean out or restore damaged threads in crank arms with these pedal taps. These taps can be used with either steel or alloy crank arms and are available in two popular sizes: 1/2" and 9/16" in both right and left-hand threads. Made of high carbon steel, precision ground, and hardened to stay sharp, they cut easily and fit all conventional tap handles. Packaged carded.

TAP-1C 1/2" Right

TAP-4C 9/16" Right

TAP-2C 1/2" Left

TAP-5C 9/16" Left

TAP-3C Set of 2, 1/2"

TAP-6C Set of 2, 9/16"

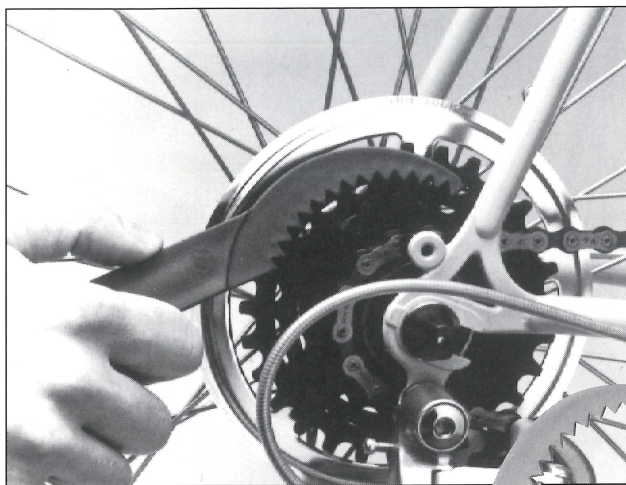
Shipping weight: 2 ozs. ea. (.06 kg.)

4 ozs. set (.11 kg.)

Bolt Circle Diameter Gauge CDG-1

This gauge is invaluable for quick, easy reading of the correct bolt circle diameter of a 5-bolt chainwheel assembly. It is used by inserting its cone-shaped pointers in two consecutive bolt holes. The gauge automatically gives the corresponding bolt-circle diameter measurement. No disassembly of the crankset is required. The Chainwheel Diameter Gauge also features a quick reference chart on the reverse side listing common chainwheel bolt-to-diameter numbers.

Shipping weight: 5 ozs. (.14 kg.)



GearClean® GSC-1

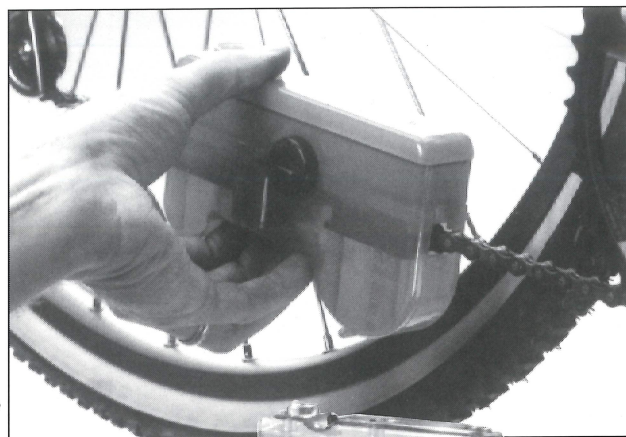
The patented Park Tool GearClean has a unique design. A large comfortable handle with a curved, toothed-end reaches dirt deep between the gears, and tough nylon bristles clean the derailleur and chain. Saves wear and tear on your chain and freewheel. Works great on brakes or other places where dirt collects. Handy size to take along for quick cleaning anywhere. Made of sturdy nylon.

Also available carded: GSC-1C
Shipping weight: 6 ozs. (.17 kg.)



Citrus ChainBrite™ CB-3

Completely biodegradable, 100% natural, and phosphate free, our new Citrus ChainBrite is derived exclusively from plant products and is 100% active. Citrus ChainBrite is not only a great cleaner, it also contains rust and corrosion inhibitors, and a lubricant. Smells great too!
Shipping weight: 1 lb. (.45 kg.)



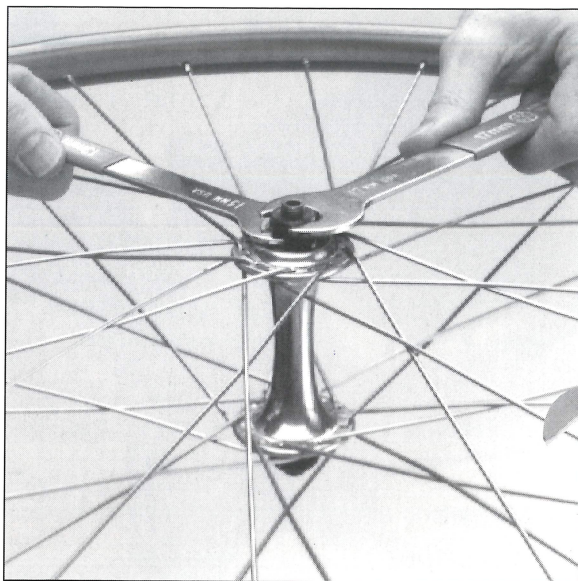
ChainMate® Chain Scrubber CM-3

Several improvements have been made to our patented ChainMate Chain Scrubber. The CM-3 is now made with a tougher plastic base material and has replaceable cleaning brushes, Part #RBS-1 Replacement Brush Set, for extended product life. Other improvements to the ChainMate include an all new in-line chain track for less chain resistance. Used on all derailleur and most 3-speed and coaster chains. A wider profile and a wider base provide more stability, and a larger reservoir provides increased solvent capacity. The new twist lock is quick and positive. The funnel-style filler hole makes it easy to fill the reservoir with solvent. Park Tool ChainBrite, original or citrus formula, is recommended.
Shipping weight: 6 ozs. (.17 kg.)



ChainBrite™ CB-1

Our original formula ChainBrite is specially formulated to use with Park Tool's ChainMate Chain Scrubber. It quickly dissolves grease and gum deposits, leaving a clean, fresh, protective lubricant coating for smooth quiet operation. A handy flip-top makes spill-free pouring easy.
Shipping weight: 1 lb. (.45 kg.)



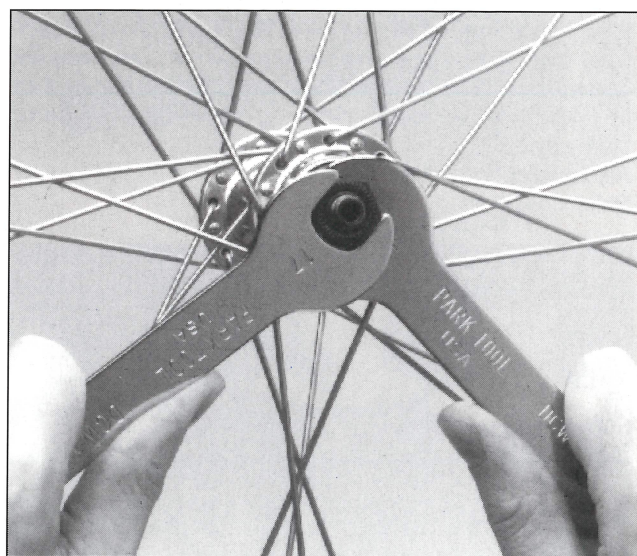
Cone Wrenches

CW-13 through CW-19

The finest available, these wrenches are made of thin chrome-plated tool steel with vinyl-coated handles. Extra-long handles make cone adjustment easy.

CW-13 13mm	CW-14 14mm
CW-15 15mm	CW-16 16mm
CW-17 17mm	CW-18 18mm
CW-19 19mm	

Shipping weight: 2.5 ozs. ea. (.07 kg.)



Double-ended Cone Wrenches

DCW-0 through DCW-3

These cone wrenches are designed for the home mechanic or occasional user. They're made of thin tool steel and are chrome-plated for long use. Available in four popular sizes from 11mm to 18mm. Their small size makes them ideal to carry along for quick repairs.

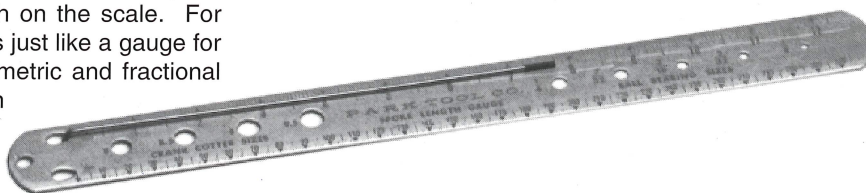
DCW-0 11mm and 12mm	DCW-1 13mm and 14mm
DCW-2 15mm and 16mm	DCW-3 17mm and 18mm

Also available carded: DCW-0C through DCW-3C
Shipping weight: 2 ozs. ea. (.06 kg.)

Spoke, Bearing, and Cotter Gauge SBC-1

This handy shop aid is ideal for sizing spokes, ball bearings and crank cotters. To use, just hang the head of the spoke in the oblong hole and read its length on the scale. For crank cotters and ball bearings it works just like a gauge for drill bits. Spoke lengths are in both metric and fractional markings. Made of anodized aluminum with embossed markings to allow easy reading and long life.

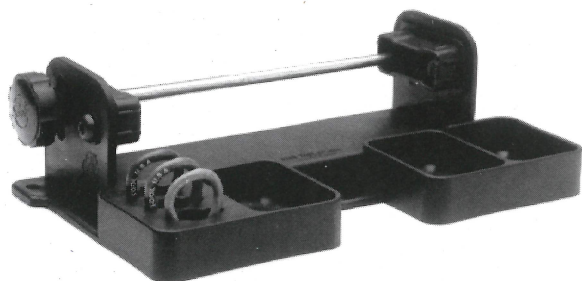
Shipping weight: 2 ozs. (.06 kg.)





Professional Wheel Truing Stand Model TS-2

The Park Tool Professional Truing Stand is the stand to choose for heavy shop use. Accepts wheels from 16" to 28" with or without tire removed. Both axle-holding uprights move simultaneously, always centering wheel hub with calipers, regardless of hub width. Calipers and caliper arm are spring-loaded to prevent jamming with badly out-of-true wheels. Made of heavy chrome-plated steel with nylon bushings at pivot points. Can be bench-mounted or vise-held. If a forward or backward tilt is desired, use with Truing Stand Tilting Base (TSB-2) shown below. **The standard of the industry.** Shipping weight: 18 lbs. (8.16 kg.)



Truing Stand Tilting Bases Model TSB-2 and TSB-6

We've designed these Tilting Bases specifically for use with our Park Tool Truing Stands. They allow for adjustment of the truing stand 20 degrees forward or backward for comfortable use at any bench height. The handy bins in the front of the Tilting Base are specially designed to hold Park Tool Spoke Wrenches and other small items such as spoke nipples. The bin corners are rounded to make even the smallest part easy to retrieve. Reinforced black nylon body will stand up to heavy use. Holes are provided for mounting to workbench or other surfaces for greater stability.

TSB-2 Fits Park Tool Truing Stand TS-2.

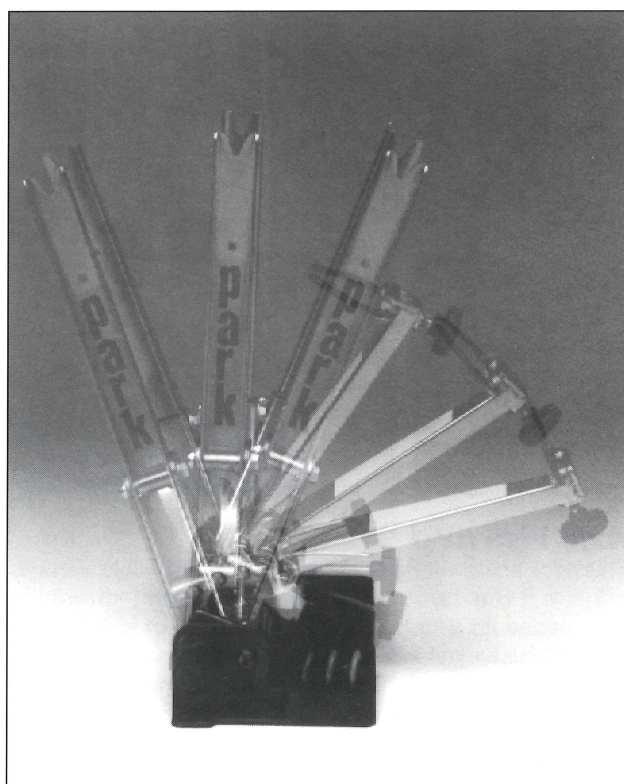
TSB-6 Fits Park Tool Truing Stand TS-6.

Shipping weight: 5 lbs. (2.25 kg.)



Home Mechanic Wheel Truing Stand Model TS-6

This lower cost truing stand was designed and built for the home mechanic or for the small repair shop. Calipers and caliper arm are spring-loaded to prevent jamming with badly out-of-true wheels. Manual hub centering. Can be bench-mounted or vise-held. If a forward or backward tilt is desired, use with Truing Stand Tilting Base (TSB-6) shown below. Attractive power-coated finish. For heavy duty shop use, we recommend using our Model TS-2 Professional Model Truing Stand. Shipping weight: 9 lbs. (4.08 kg.)





Spoke Wrenches SW-0 through SW-6

Professional quality, precision-sized spoke wrenches are hardened and chrome-plated for long service. Park Tool Spoke Wrenches are vinyl-coated in one of five colors indicating the size at a glance. BEWARE OF POOR FITTING IMITATIONS! Park Tool Spoke Wrenches are marked "Park Tool USA."

SW-0 (Black) For 80 gauge -- .127 nipple

SW-1 (Green) For 80 gauge -- .130 nipple

SW-2 (Red) For 80 gauge -- .136 nipple

SW-3 (Blue) For 105 gauge -- .156 nipple

SW-4 (Yellow) For 120 gauge -- .193 nipple

Also available carded: SW-0C through SW-4C

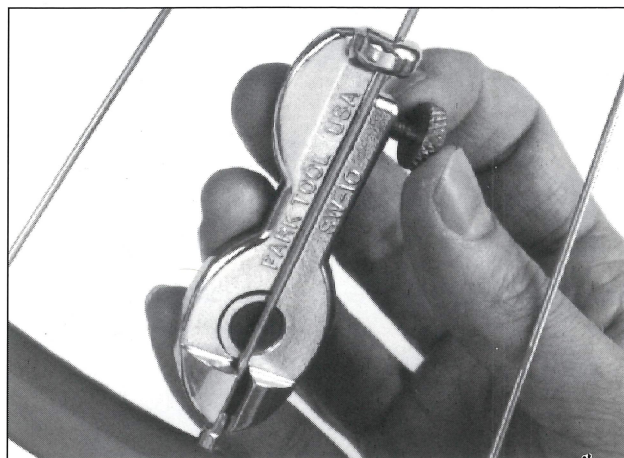
Shipping weight: 1 oz. ea. (.03 kg.)

SW-5 Spoke Wrench Set, SW-1 through SW-4.

Also available carded: SW-5C

SW-6 Spoke Wrench Set, SW-0 through SW-2.

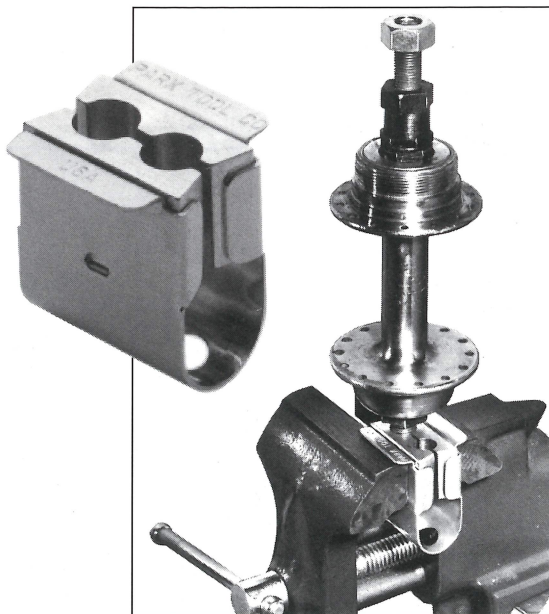
Shipping weight: 2.5 ozs. per set (.071 kg.)



Adjustable Spoke Wrench SW-10

The Park Tool Adjustable Spoke Wrench helps remove tight (stubborn) or rounded nipples. Hardened, chrome-plated investment casting gives superior strength and durability. Fits any of the 80 gauge sizes listed at left for SW-0 through SW-2.

Shipping weight: 8 ozs. (.23 kg.)



Axle Vise AV-1

This tool holds the axle so it will not turn while work is done on the hub. It has two different diameter receptacles so it will work on front and rear axles. It is simple to use - just insert the axle into the proper diameter opening and tighten the bench vise. The jaws will open automatically when the vise is opened.

Also available carded: AV-1C

Shipping weight: 3 ozs. (.09 kg.)



Wheel Alignment Gauge WAG-1

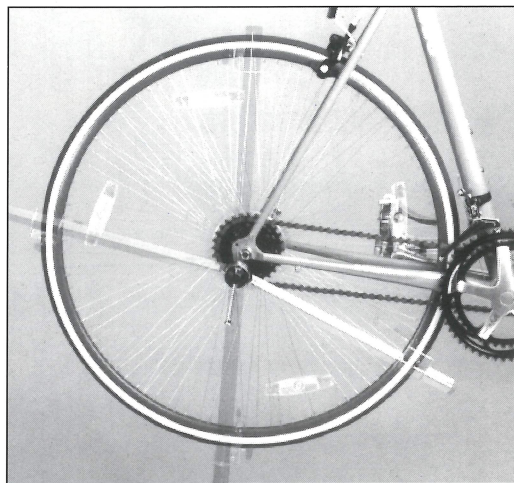
This tool is a quick, easy way to check the correct offset on rear multi-speed hubs and to check for any front wheel offset which may need to be changed. The Wheel Alignment Gauge can be used on wheel sizes 20" to 28", either on or off the bike. The positive, screw-operated indicator will not move when set. The wide feet of the Wheel Alignment Gauge make it easy to get accurate readings even with knobby tires.

Shipping weight: 1 lb. (.45 kg.)

Frame and Fork Straightening Tools

This section is devoted to our frame and fork straightening tools. Many bicycles cannot be properly repaired or adjusted because their frames and forks are no longer true. With the high cost of new bicycles and replacement frames and forks, straightening can be a viable, cost-effective alternative. Most damaged bicycles can be safely straightened and repaired when the proper tools are used by skilled mechanics. When these tools are used to straighten and assure the alignment of a frame or fork, the repaired bicycle will be safer to ride.

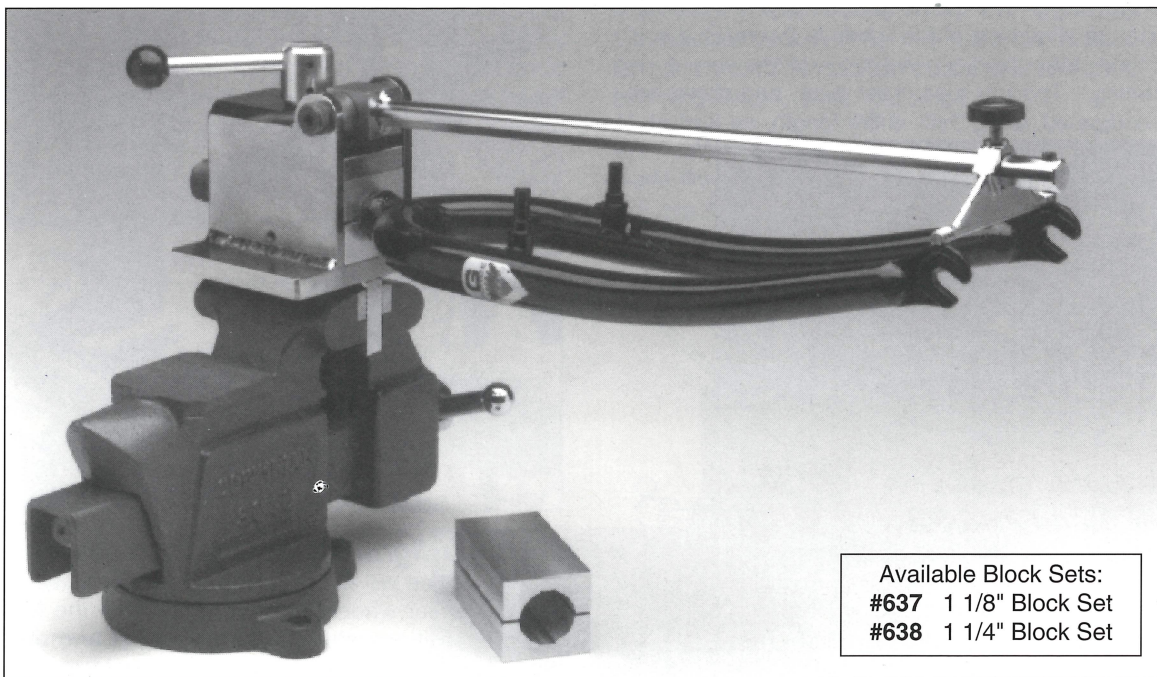
Caution! During any repair, safety should always come first. Customers should be advised prior to straightening that not all bicycles can be repaired. After alignment, all frames and forks should be carefully inspected for cracks or kinked tubes. A customer should be advised when certain conditions render a bicycle unsafe to ride.



Deraillieur Hanger Alignment Gauge DAG-1

The Deraillieur Hanger Alignment Gauge can help solve a multitude of derailleur shifting problems, most notably with index shifting systems. This tool is extremely steady in operation and is simple to use. The tool threads directly into the derailleur hanger. The gauge bar holds a gauge which marks the distance to the wheel. The gauge then is rotated with the wheel to the 6, 9, and 12 o'clock positions, noting any differences in measurements. The alignment of the derailleur hanger is accomplished by applying pressure to the tool's arm. The results can be checked instantly. The DAG-1 is made of heavy-gauge steel and is chrome-plated for long shop life.

Shipping weight: 2.5 lbs. (1.13 kg.)



Available Block Sets:
#637 1 1/8" Block Set
#638 1 1/4" Block Set

Fork Clamp and Gauge FCG-1

Fork straightening can be easy with the proper equipment. Our Fork Clamp and Gauge is designed to quickly and accurately determine the trueness of all forks while securely holding the fork steerer tube for easy straightening. The sliding gauge bar is used to check the alignment along the entire length of the fork blades and is marked on each end to check the width. Heavy-duty construction prevents flexing during use. The clamp can be inserted in any vise as shown, or positioned on its side. Fits all fork tube sizes 1" to 1 1/4" when used with the proper block set. Comes with block set for 1" steerer tube.

Shipping weight: 10 lbs. (4.5 kg.)

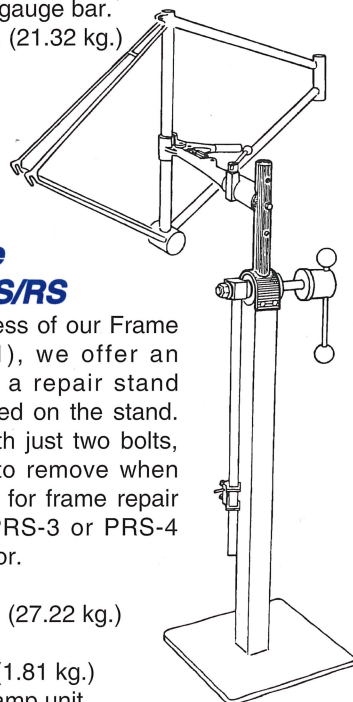
Block sets for 1 1/8", and 1 1/4" steerer tubes are also available. Shipping weight: 14 ozs. ea. (.4 kg.)



Frame Repair Stand FRS-1

The most awkward part of frame straightening is holding the frame while the tubes are cold set into alignment. The Park Tool Frame Repair Stand securely holds any frame by the bottom bracket, allowing full access to all of the frame in the stand. The gauge bar swings into position to determine the alignment of the tubes in the main triangle of the frame, then quickly swings out of the way during straightening. The top tube, seat tube, and down tube can be compared along their entire length, as well as to each other, by the indicator on the gauge bar. When the main triangle is properly aligned, the indicator will show that all points on the three tubes of the frame are the same distance from the gauge bar.

Shipping weight: 47 lbs. (21.32 kg.)



Combined Frame Repair Stand FRS/RS

To improve the usefulness of our Frame Repair Stand (FRS-1), we offer an adaptor which allows a repair stand clamp unit to be mounted on the stand. The adaptor mounts with just two bolts, making it very simple to remove when the stand is to be used for frame repair and alignment. Our PRS-3 or PRS-4 clamp unit fits the adaptor.

FRS/RS Complete unit

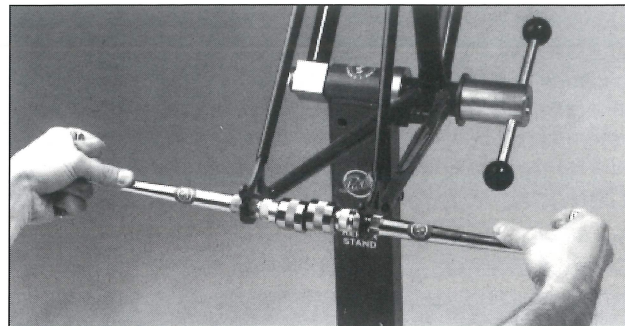
Shipping weight: 60 lbs. (27.22 kg.)

#990 Adaptor only

Shipping weight: 4 lbs. (1.81 kg.)

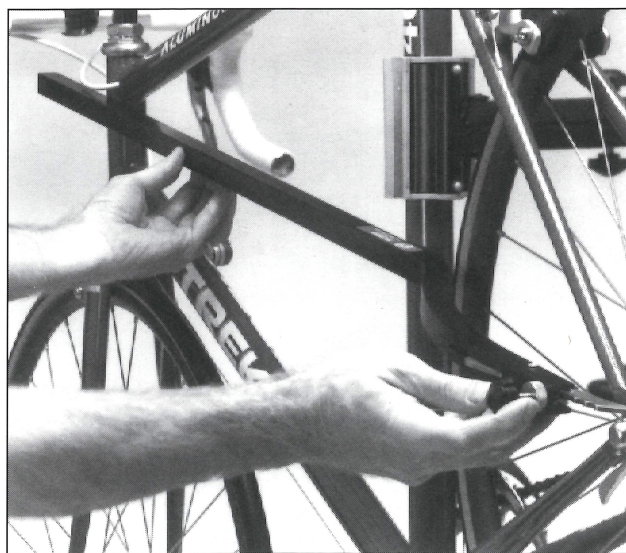
#991 Adaptor and clamp unit

Shipping weight: 14 lbs. (6.35 kg.)



Frame and Fork End Alignment Gauge Set FFG-1

There are occasions, even on new bikes when the frame and fork drop-outs are not parallel, creating bent axles or skewers, poor tracking, and even problem shifting. The Park Tool Frame and Fork Alignment Gauge Set was designed to align the drop-outs easily without elaborate fixtures. They quickly show whether the drop-outs are parallel and produce plenty of leverage to straighten them. These are the only gauges available that can be adjusted to compensate for various hub widths. A caliper is provided for checking this dimension. Shipping weight: 2.5 lbs. (1.13 kg.)



Frame Alignment Gauge FAG-2

Many bicycles will not shift or track properly because the front and rear wheels are not in line with the frame. If these conditions still exist after wheel and derailleur adjustments, the seat stays, chain stays, and rear drop-outs of the frame may be misaligned. For years the accepted method to check the alignment of the rear drop-out was to run a string on either side. This method does work to some extent. However, it is not accurate because the measurement is not taken at the drop-out. With the Park Tool Frame Alignment Gauge the alignment can be checked quickly and accurately at the drop-out. Redesigned with retractable pointer to fit all sizes and types of bicycles.

Shipping weight: 1 lb. (.45 kg.)



Bearing Cup Press HHP-1

Now you can easily and accurately align and press in one-piece crank hanger and headset bearing cups. Eliminate damaged, dented, chipped, or misaligned bearing cups. Our unique design permits instant removal after cups are seated, with no unscrewing to remove tool, simply slide off. The entire tool is heat-treated and chrome-plated to give trouble-free service. Simply push lock lever with your thumb to remove tool or change from head to hanger in an instant. Stepped bushings provide a precise fit and alignment for regular and oversized head and hanger cups.

Inserting head cups:

Instantly changes to fit any frame size from smallest child's model to large frame sizes. Seven positions make this tool unique and easy to use. No nut to unscrew from a long, threaded shaft. Instant removal after bearing cups are seated into frame.

Inserting hanger cups:

Change to one-piece crank hanger cups in a breeze. Simply slide shaft through cups and frame, slip the press end onto the shaft and turn handles to seat cups. Cups are inserted quicker and easier. Eliminates "tight" spots and helps prevent uneven cone and bearing wear. Instant removal of tool after bearing cups are seated into frame.

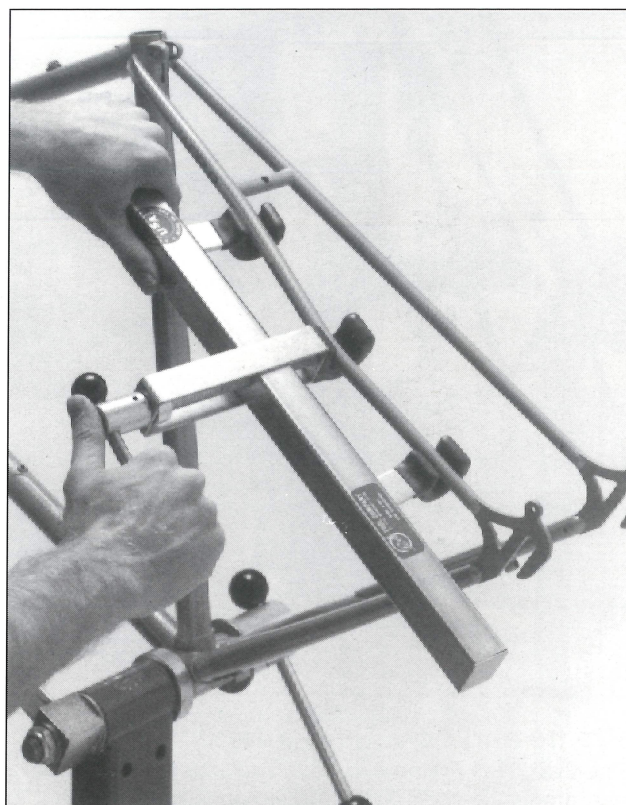
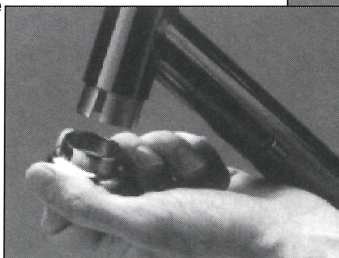
Shipping weight: 4.5 lbs. (2.04 kg.)

Head Cup Remover RT-1

Fits both standard and oversize headsets.

An update of an old favorite, the Park Tool Head Cup Remover makes headset cup removal easy. The tool is pulled through the frame until the flared ends snap in behind the cup. A blow on the tool head removes the cup. Fits **standard and oversize** headsets. Strong, heat-treated alloy steel with nickel finish.

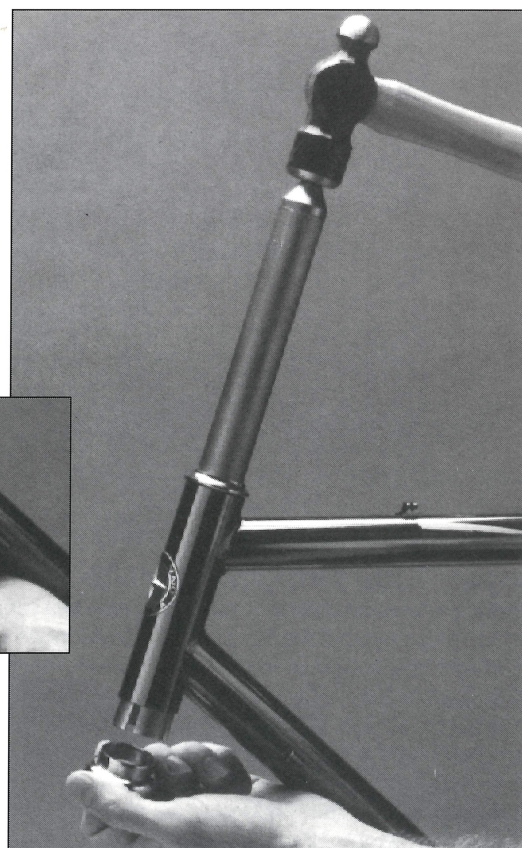
Shipping weight: 1 lb. (.45 kg.)

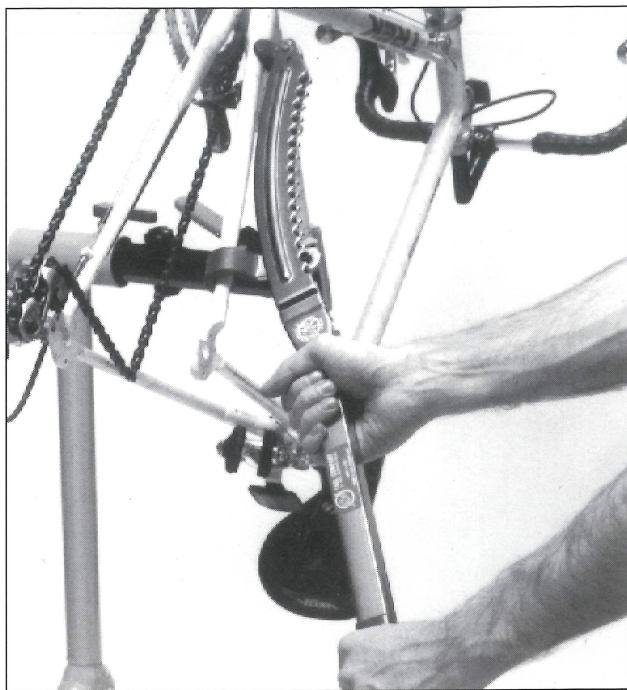


Frame Stay Straightener SS-1

One of the most difficult tasks in frame repair is straightening seat and chain stays that have been damaged. The Park Tool Stay Straightener is a unique, adjustable tube bender that can straighten seat and chain stays quickly and accurately. The middle hook can either pull or push the tube into position, while the other two hooks adjust to the length and contour of the damaged area. Vinyl-coated hooks will not mar paint. You will be amazed how well you can straighten seat and chain stays.

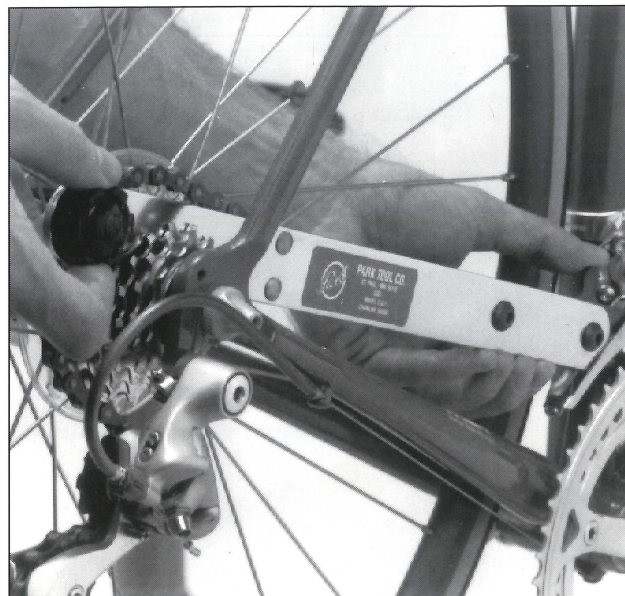
Shipping weight: 5 lbs. (2.25 kg.)





Frame and Fork Straightener FFS-1

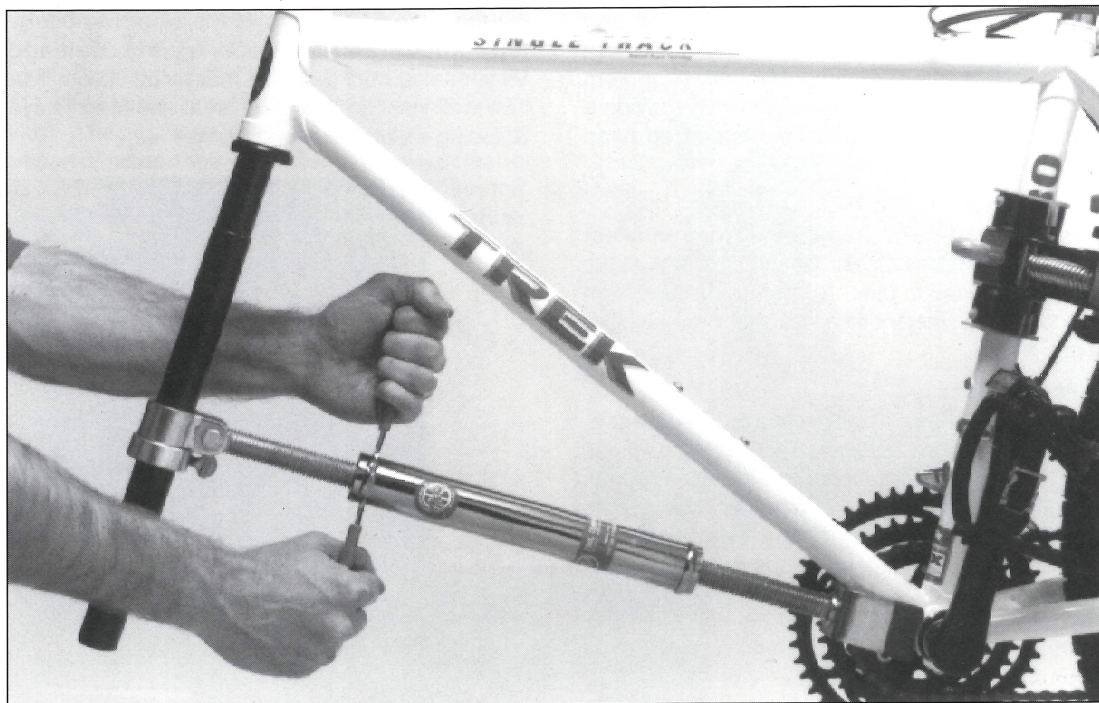
The Park Tool Frame and Fork Straightener is a versatile and productive tool. The open hook design enables it to straighten not only frames and forks, but also cranks and handlebars. Vinyl coating on the hook and on the fulcrum pad protects painted surfaces. The hook has over 8" of adjustment. Reinforced to prevent flexing. Shipping weight: 4 lbs. (1.81 kg.)



ChainLine Gauge CLG-2

The Park Tool ChainLine Gauge is a terrific help in diagnosing poor shifting or erratic chain characteristics. Use of this tool can help isolate the causes which range from an improperly installed rear wheel, misaligned dropouts, incorrectly dished wheels, bent rear triangle, or bottom bracket problems. The ChainLine Gauge is accurate and simple to use.

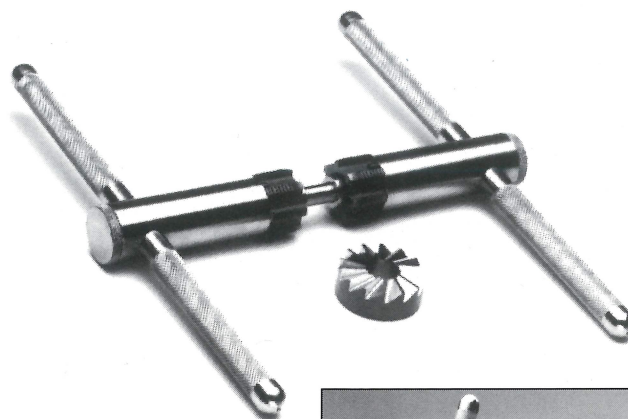
Shipping weight: 12 ozs. (.34 kg.)



Head Tube Straightener HTS-1

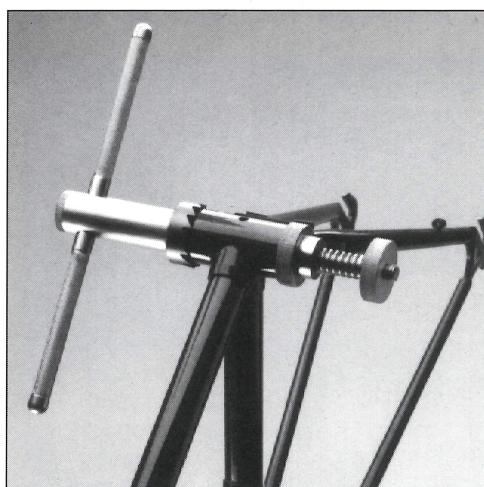
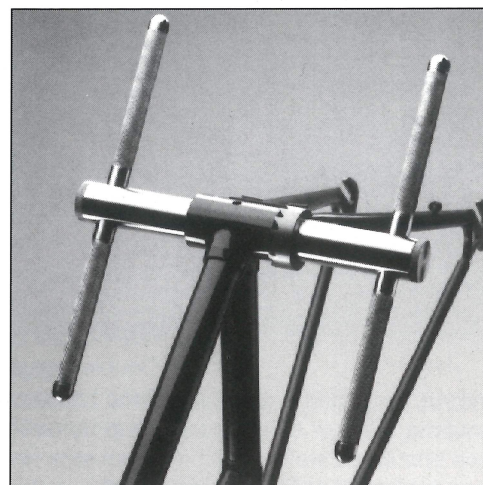
After a front-end collision, many bicycles will require the head tube of the frame to be straightened. They will no longer steer properly and the front wheel has reduced clearance at the down tube and the pedals. The Park Tool Head Tube Straightener is designed to quickly correct the angle of the head tube. After the fork has been removed from the frame, the shaft of the HTS-1 is inserted through the head set races and secured with a set collar. The shaft has two different diameters and is made of high strength, Fatigue-proof® steel. The turnbuckle is then connected to the shaft at a 90 degree angle and tightened against the bottom bracket. The turnbuckle is extended until the shaft and head tube are at the desired angle. Tremendous pressure is generated with this tool, and any frame can be straightened with little physical effort. The fork should be checked for damage prior to reassembly.

Shipping Weight: 12 lbs. (5.44 kg.)



Bottom Bracket Tapping Set BTS-1

The BTS-1 is a precision tool system which provides a piloted means of tapping the threads in the bottom bracket shell of a frame. After tapping, the taps act as guides to keep the included facing cutter perfectly square with the axis of the bottom bracket for cleanup of the faces of the bottom bracket shell. Make sure plenty of cutting oil is used in all cutting operations. The BTS-1 includes English taps, 1.370" x 24 TPI right hand thread for the adjustable cup, and 1.370" x 24 TPI left hand thread for the fixed cup. Italian thread taps, 36mm x 24 TPI right hand thread (Part #693), and French thread taps, 35mm x 1 right hand thread (Part #694), for the adjustable and fixed cups are available as accessories. Shipping weight: 5.5 lbs. (2.49 kg.)



Bottom Bracket Facing Set BFS-1

The Bottom Bracket Facing Set is designed to be a complete self-contained facing set combining top quality precision parts, with ease of use. Simply install the threaded inserts using the Facer handle, or even the Park Tool BTS-1 tap handles, then insert the facing tool through the guides and install the tension spring and speed nut. After applying a liberal amount of cutting oil, the BFS-1 easily cuts the shell material, giving you a clean, faced surface. Now you're ready to install the bottom bracket.

Shipping weight: 5.5 lbs. (2.49 kg.)

Head Tube Reaming and Facing Set HTR-1

As frame preparation becomes more important, Park Tool introduces another addition to the line of cutting tools. The HTR-1 combines reaming and facing of the head tube to create a perfect fit for most sizes of head cups. The HTR-1 comes complete with a 30.0mm reamer, and four different size pilots, (29.8mm, 30.0mm, 33.8mm, and 36.8mm). There are cases when a reamer is required to clean out or increase the size of the head tube. Most times however, facing of the head tube for good cup fit is the objective. In this case, reaming is not necessary and the pilots can be used in place of the reamers to keep the tool straight and create a faced head tube. The unique part of the HTR-1 is the quick-release, quick-adjust feature. The bottom portion can slide off and on easily without the long threading process. This portion of the tool can still be fine tuned while in use. The tapered centering cone unit rides on a bearing for extra smooth operation. All cutting surfaces are top quality and extra sharp.

Shipping weight: 7 lbs. (3.18 kg.)



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USE MANUFACTURER'S TORQUE SPECIFICATIONS
WHENEVER AVAILABLE. TORQUES SHOWN ARE
INTENDED AS GUIDELINES ONLY.



Torque Specifications Table

Item	Foot Pounds	Inch Pounds
BMX handlebar binder bolts	20	240
BMX stem binder bolt	14-15	170-180
Bottom bracket fixed cup	20-25	240-300
Bottom bracket lockring	20-25	240-300
Brake levers on drop handlebars	5-6	60-72
Brake levers on MTB handlebars	3-5	36-60
Cable carrier pinch nut	4-6	48-72
Cantilever arm pinch nut/bolt	3-4	36-48
Cantilever brake caliper mounting bolt	2	24
Cantilever carrier pinch nut	4-6	48-72
Cast-type BMX brake lever	3-5	36-60
Centerpull caliper mounting nut	1-3	12-36
Chainring bolts	4-6	48-72
Clamp-mount shift lever bolt	2-2.5	24-30
Cotterless crank arms	25-30	300-360
Crank arm dust caps	4	48
Crank extractor into crank arm	15-20	180-240
Dia-Compe cantilever and U-brake smooth-stud shoe anchor nut	6-8	72-84
Dia-Compe U-brake mounting bolt	4-5	48-60
Double bolt integral seat clamp bolts	6-8	72-96
Drop handlebar binder bolt	17-20	205-240
Drop-bar stem binder bolts	12-14	145-170
Front axle nuts (wheel mounting)	15-20	180-240
Front derailleur cable pinch	3-4	36-48
Front derailleur mounting bolt	3-4	36-48
Handlebar end-mounted shifter	4	48
Headset locknut	minimum 25	minimum 300
Hook strap tourist brake lever	2-3	24-36
Hub locknuts	15-18	175-220
Mounting nut on threaded stud brake shoes	4-5	48-60
MTB multiple handle binder bolt	5-7	60-84
MTB single handlebar binder bolt	15-20	175-240
MTB stem binder bolt	14-15	170-180
Nonintegral seat clamp nuts	11-14	130-170
On Park Tool CR-2 tool installing cotter pins	minimum 18	minimum 220
One-piece bottom bracket fixed cone	minimum 25	minimum 300
One-piece bottom bracket locknut	20	240
Pedal installation	30	350
Pedal locknuts	8-10	100-125
Pull-up strap tourist brake lever	5-6	60-72
Rear axle nuts (wheel mounting)	20-25	240-300
Rear derailleur cable pinch	3-4	36-48
Rear derailleur to hanger	6-7	72-84
Rollercam cam plate pinch nut	4-6	48-72
Rollercam roller locknut	3-4	36-48
Seat post binder bolt	6-8	72-96
Shimano cantilever smooth-stud shoe anchor nut	4-6	48-72
Shimano U-brake mounting bolt	4-6	48-72
Sidepull caliper cable pinch	4-6	48-72
Sidepull caliper mounting nut	6-7	72-84
Sidepull caliper pivot locknut	4-6	48-72
Single bolt integral seat clamp bolts	10-12	120-145
Stem-mounted shift lever bolt	2-2.5	24-30
Strap-type BMX brake lever	2-3	24-36
Thumbshifter mounting bolt	1-1.5	12-18
Tourist handlebar binder bolt	17-20	205-240
Tourist stem binder bolt	12-14	145-170
U-brake caliper arm pinch bolt/nut	3-4	36-48
Valve nuts	finger tight only	
XC and Sport/9000 rollercam arm mounting bolt	4-6	48-72
XCD rollercam arm mounting bolt	2-3	24-36



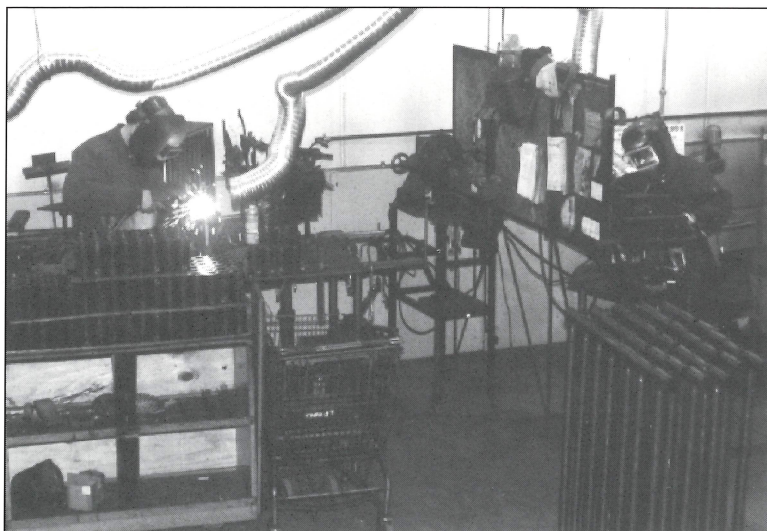
Our Commitment Continues

As we grow as a company, we are committed to the same standard of excellence and reliability that helped us become the largest manufacturer of bicycle tools in the world. In the early days of Park Tool Company, three workers produced nearly the entire line. The line then was limited to two different repair stands, a truing stand, and a few frame and hand tools. Today, we have thirty employees that take special pride in producing over 150 different tools. The old saying says, "it's our people that make the difference". Well, for Park Tool it's more than just a saying. Our toolmakers build what we

believe to be the finest and most comprehensive bicycle tools around. They're proud to bring you our tool lineup, and we stand ready to help dealers and cyclists around the world with the tools necessary for today's bikes.



We welcome your comments and questions. We started with our own bike shops so we know tools. A good portion of the tools in this catalog are direct results of suggestions and comments from the cycling community and bicycle industry. We still work on bikes today, keeping up with changes and modifications the industry brings us. Our commitment to you means our promise to supply the best tools possible and to be on the cutting edge of bicycle and bicycle tool technology. Thank you for your help.



Park Tool Company

3535 International Drive
St. Paul, MN 55110



MADE IN THE U.S.A. USED THROUGHOUT THE WORLD



COVER: Park Tool BTS-1 Bottom Bracket Tapping & Facing Set used on a Kroll Custom Frame